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OceanicEcho SC200

OceanicEcho Hand Controls (Model SC200-old) Instruction Manual

For Disabled Drivers

Introduction

Welcome to the OceanicEcho Hand Controls instruction manual. This device is designed to assist drivers with limited leg mobility to operate the accelerator and brake pedals using hand movements. Our goal is to provide a reliable and safe solution to help you regain driving independence.
To ensure safe and proper operation, please read this manual thoroughly before installation and use. Keep this manual for future reference.

Important Safety Information

- This device is suitable for **automatic transmission vehicles only**. It is not compatible with manual transmission vehicles.
- Some vehicles may not be suitable due to size or pedal configuration. Always verify compatibility before installation.
- Operate the hand controls with your **right hand** while maintaining control of the steering wheel with your **left hand**.
- Always perform initial adjustments and practice driving in a safe, controlled environment (e.g., a private parking lot) before driving on public roads.
- Ensure all components are securely installed and tightened according to the instructions. Loose components can lead to dangerous situations.
- Regularly inspect the device for any signs of wear, damage, or looseness before each use. Do not use if any part is damaged.
- Do not modify the device. Unauthorized modifications can compromise safety and void any potential warranty.

Package Contents

Please verify that all the following items are included in your package:

- Main Hand Control Unit (with push/pull mechanism)
- Brake Clamp Assembly (updated design)
- Accelerator Clamp Assembly

- Adjustment Allen Wrench
- User Manual (this document)

Product Overview

The OceanicEcho Hand Controls (Model SC200-old) feature an all-metal construction, primarily steel, ensuring durability and stable operation. The system consists of a main control lever connected to your vehicle's accelerator and brake pedals via adjustable rods and clamps.



Image: This image displays the complete OceanicEcho SC200-old Hand Control unit, showing the main lever, the adjustable rods, and the pedal clamping mechanisms. An inset shows a close-up of the brake clamp attached to a vehicle's brake pedal.

The updated brake clamp design offers enhanced reliability and easier length adjustment, contributing to a more secure fit on your vehicle's brake pedal.

Installation Guide

Installation requires careful attention to detail to ensure safe and effective operation. Use the provided Allen wrench for all adjustments and tightening.

1. **Prepare Vehicle:** Ensure your vehicle is parked on a level surface with the engine off and the parking brake engaged.
2. **Position the Unit:** Place the main hand control unit in the driver's footwell. The base of the unit should rest firmly on the floor, positioned to allow comfortable access to the control lever.
3. **Attach to Accelerator Pedal:** Secure the accelerator clamp assembly to your vehicle's accelerator pedal. Ensure the clamp grips the pedal firmly without obstructing its movement or interfering with other vehicle components. Tighten the fasteners using the Allen wrench.
4. **Attach to Brake Pedal:** Secure the updated brake clamp assembly to your vehicle's brake pedal. This clamp is designed for reliability and ease of adjustment. Position it so it securely holds the pedal. Tighten the fasteners using the Allen wrench.
5. **Adjust Length and Angle:** Adjust the length of the connecting rods and the angle of the control lever to suit your driving position. The goal is to achieve a comfortable and responsive feel for both acceleration and braking.
6. **Secure All Fasteners:** Double-check and securely tighten all screws and clamps using the provided Allen wrench. Ensure there is no wobble or looseness in any part of the assembly.
7. **Test Adjustments:** Before driving, manually operate the accelerator and brake pedals using the hand controls to ensure they move freely and return to their resting positions without obstruction. Verify that the pedals are fully depressed and released.



Image: The hand control unit is shown installed in the driver's footwell of a car, demonstrating how it connects to the accelerator and brake pedals. The main control lever extends towards the driver's right hand.



Image: This image provides a closer view of the OceanicEcho SC200-old Hand Controls installed, with a circular inset highlighting the updated brake clamp mechanism securely fastened to the brake pedal.

Operating Instructions

Once installed and adjusted, operating the OceanicEcho Hand Controls is intuitive. Remember to always operate the controls with your right hand while keeping your left hand on the steering wheel.

To Accelerate: Gently **pull the control lever towards you** The further you pull, the more the accelerator pedal is depressed, increasing vehicle speed.

To Brake: Gently **push the control lever away from you** The further you push, the more the brake pedal is depressed, decreasing vehicle speed.

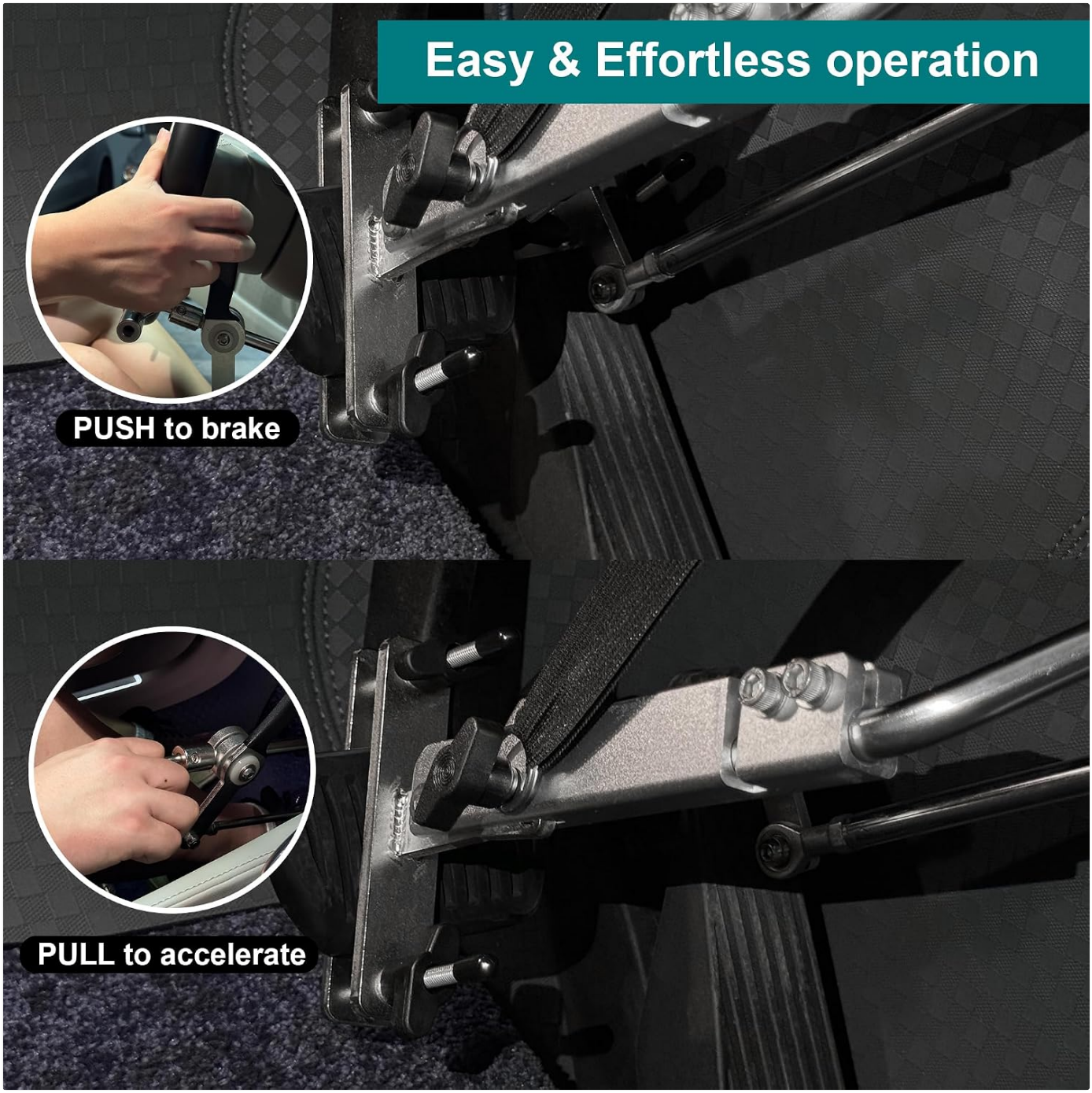


Image: This image illustrates the two primary operations: 'PUSH to brake' with an arrow indicating forward motion of the lever, and 'PULL to accelerate' with an arrow indicating backward motion of the lever. Insets show a hand interacting with the control.

Practice smooth and controlled movements. It is recommended to practice in a safe, open area until you are fully comfortable with the operation before driving in traffic.

Care and Maintenance

Proper care and maintenance will extend the life of your OceanicEcho Hand Controls and ensure continued safe operation.

- **Regular Inspection:** Before each use, visually inspect all components for any signs of wear, damage, cracks, or loose connections. Pay close attention to the clamps and connecting rods.
- **Cleaning:** Keep the unit clean from dust and debris. Wipe down with a damp cloth as needed. Avoid using harsh chemicals that could damage the metal finish.
- **Fastener Check:** Periodically check and re-tighten all screws and fasteners using the provided Allen wrench.

Vibrations during driving can cause fasteners to loosen over time.

- **Storage:** If removing the unit for storage, keep it in a dry, safe place to prevent damage.

Troubleshooting

This section addresses common issues you might encounter with your hand controls.

Issue	Possible Cause	Solution
Controls feel loose or wobbly.	Fasteners are not sufficiently tightened.	Re-tighten all screws and clamps using the Allen wrench. Inspect for any damaged components.
Difficulty achieving smooth acceleration or braking.	Incorrect adjustment of rod lengths or lever angle.	Re-adjust the length of the connecting rods and the angle of the control lever. Practice in a safe environment to find the optimal setting.
Controls interfere with vehicle components (e.g., steering column, dashboard).	Improper positioning of the main unit or connecting rods.	Adjust the position of the main unit and the angles of the rods to ensure adequate clearance from all vehicle parts.
Pedals do not fully return to resting position.	Clamps are too tight or misaligned, or rods are too short.	Loosen clamps slightly and re-position. Ensure rods are not preventing full pedal return. Adjust rod length if necessary.

Product Specifications

- **Brand:** OceanicEcho
- **Model:** SC200-old (Manufacturer Part Number: OE-SC200)
- **Material:** All metal structure (primarily steel)
- **Compatibility:** Automatic transmission vehicles only
- **Item Weight:** Approximately 4.99 pounds
- **Package Dimensions:** Approximately 23 x 7 x 4 inches

Warranty and Customer Support

OceanicEcho is committed to providing high-quality products and excellent customer service. Each item undergoes rigorous quality testing to ensure the best possible experience.
For any questions, concerns, or support needs regarding your OceanicEcho Hand Controls, please contact our customer support team. We are dedicated to assisting you and ensuring your satisfaction.
You can find more information and contact details by visiting the officialOceanicEcho Store on Amazon.

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