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OceanicEcho OE-ZJTB-wb-n

OceanicEcho Left Foot Accelerator Pedal Instruction Manual

Model: OE-ZJTB-wb-n

1. Introduction

The OceanicEcho Left Foot Accelerator Pedal is an adaptive driving control device designed to allow individuals with limited or no use of their right foot or leg to operate the accelerator pedal using their left foot. This system is intended for use in automatic transmission vehicles only. It provides an alternative method for acceleration, enhancing driving independence for eligible users.

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Left Foot Accelerator Pedal. Please read all instructions carefully before installation and use to ensure safe and correct functionality.



Image 1.1: The OceanicEcho Left Foot Accelerator Pedal installed in a vehicle, designed to provide confidence for drivers.

2. Safety Information

- **Professional Installation Recommended:** While detailed instructions are provided, professional installation by a qualified mechanic or adaptive driving specialist is highly recommended to ensure proper and safe setup.
- **Automatic Transmission Only:** This device is designed exclusively for vehicles with automatic transmissions. Do not attempt to install or use it in manual transmission vehicles.

- **Vehicle Compatibility:** Ensure your vehicle has a flat floorboard and at least 11 inches of space between the left footrest and the original gas pedal for proper installation.
- **Secure Mounting:** The base plate must be securely bolted to the vehicle's floorboard. Improper mounting can lead to dangerous malfunctions.
- **Regular Inspection:** Periodically inspect all components for wear, damage, or loose connections. Do not use the device if any part is compromised.
- **Driver Training:** If you are new to using a left foot accelerator, consider professional driver training to adapt to the new driving method safely.
- **Disengage When Not Needed:** Utilize the quick-release mechanism to detach the left foot pedal when a right-foot driver operates the vehicle.

3. Package Contents

Verify that all components are present and undamaged before beginning installation:

- Left Foot Accelerator Pedal Assembly (including base plate, left pedal, and actuator arm)
- Mounting Hardware (bolts, nuts, washers)
- Installation Template (if included)
- Instruction Manual



Image 3.1: Overview of the Left Foot Accelerator Pedal components.

4. Setup and Installation

The installation process involves securing the base plate to the vehicle's floorboard and attaching the pedal assembly. This requires drilling holes into the floorboard.

4.1 Pre-Installation Checks

- Ensure the vehicle is parked on a level surface with the engine off and parking brake engaged.
- Confirm sufficient space (at least 11 inches) between the left footrest and the original gas pedal.
- Verify that the floorboard area is clear of obstructions and wiring.

4.2 Base Plate Mounting

1. Position the base plate on the floorboard, ensuring the original brake pedal is centered between the two pedal positions on the base plate.

2. Mark the drilling locations through the pre-drilled holes on the base plate. Typically, 4-8 small holes are required.
3. Carefully drill the marked holes through the floorboard. Take precautions to avoid damaging any undercarriage components or wiring.
4. Secure the base plate to the floorboard using the provided bolts, washers, and nuts. Ensure all fasteners are tightened securely.



Image 4.1: Steps for drilling holes and securing the base plate to the vehicle floor.

4.3 Pedal Assembly Attachment

1. Align the pedal assembly with the quick-connect points on the installed base plate.
2. Engage the quick-release mechanism to lock the pedal assembly onto the base plate. Ensure it is firmly seated and does not wobble.
3. Verify that the actuator arm correctly engages with the original gas pedal.

5. Operating Instructions

Once installed, the Left Foot Accelerator Pedal allows you to control vehicle acceleration with your left foot.

1. **Positioning:** Sit comfortably in the driver's seat. Place your left foot on the left accelerator pedal and your right foot on the brake pedal. The original gas pedal will be covered or disengaged by the system.
2. **Acceleration:** Gently press down on the left accelerator pedal with your left foot to increase vehicle speed. Release the pedal to reduce speed.
3. **Braking:** Use your right foot to operate the brake pedal as usual.



Image 5.1: Driver's feet positioned for initial use of the left foot accelerator.



Image 5.2: Demonstrating the left foot pressing the accelerator pedal.

6. Adjustment

The Left Foot Accelerator Pedal offers multiple adjustment points to customize its fit and feel for various drivers and vehicle interiors.

- **Left Foot Pedal Position:** The left foot pedal can be adjusted in multiple ways (e.g., 6-way adjustability) to optimize comfort and reach.
- **Accelerator Guard:** The guard over the original accelerator pedal may have 2-way adjustability to ensure it fully covers the pedal and prevents accidental engagement.
- **Gas Pedal Roller/Actuator:** The mechanism that engages the original gas pedal can be adjusted (e.g., 4-way adjustability) to fine-tune the pedal's response and travel.

Refer to the specific adjustment points on your device and use the appropriate tools (e.g., Allen wrenches) to make changes. Always ensure adjustments are secure before driving.



Image 6.1: Highlighting the various adjustment points for the pedal system.



Image 6.2: Visual representation of easy length adjustment for optimal fit.

7. Quick Release Mechanism

The device features a quick-release mechanism, allowing the left foot pedal assembly to be easily detached from the base plate when not in use. This is particularly useful if the vehicle is to be driven by someone who does not require the left foot accelerator.

7.1 Detaching the Pedal

1. Locate the quick-release pin or lever on the pedal assembly.
2. Follow the instructions to disengage the locking mechanism (e.g., pull the pin, lift the lever).
3. Carefully lift the pedal assembly off the base plate.
4. Store the detached pedal assembly in a safe place where it will not interfere with driving.

7.2 Reattaching the Pedal

1. Align the pedal assembly with the quick-connect points on the base plate.
2. Push down firmly until the quick-release mechanism clicks into place, securing the pedal.
3. Verify that the pedal assembly is securely attached and does not move independently from the base plate.



Image 7.1: The quick-release mechanism allows for easy detachment and reattachment.

8. Maintenance

To ensure the longevity and safe operation of your Left Foot Accelerator Pedal, perform regular maintenance:

- **Cleaning:** Keep the pedal assembly clean and free from dirt, debris, or liquids that could impede its movement. Use a damp cloth for cleaning; avoid harsh chemicals.
- **Lubrication:** Periodically apply a small amount of silicone-based lubricant to moving parts and pivot points to ensure smooth operation. Avoid over-lubrication.
- **Fastener Check:** Regularly check all bolts, nuts, and screws for tightness. Re-tighten any loose fasteners to prevent component separation during use.
- **Wear Inspection:** Inspect the pedal surfaces, actuator arm, and quick-release mechanism for signs of wear, cracks, or damage. Replace any worn or damaged parts immediately.

9. Troubleshooting

If you encounter issues with your Left Foot Accelerator Pedal, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pedal feels stiff or sticky	Lack of lubrication, dirt/debris	Clean moving parts and apply silicone lubricant.
Pedal does not engage original gas pedal correctly	Improper adjustment of actuator arm	Adjust the gas pedal roller/actuator as per Section 6.
Pedal assembly feels loose on base plate	Quick-release mechanism not fully engaged	Ensure the quick-release mechanism is securely locked. Check for bent pins if applicable.
Unusual noises during operation	Loose fasteners, worn components	Inspect all fasteners and components for wear or damage. Tighten or replace as necessary.

If the problem persists after attempting these solutions, contact OceanicEcho customer support or a qualified mechanic.

10. Specifications

- **Model:** OE-ZJTB-wb-n
- **Brand:** OceanicEcho
- **Compatibility:** Most automatic transmission vehicles (requires flat floor and minimum 11 inches clearance)
- **Material:** All-metal construction
- **Item Weight:** Approximately 5.92 pounds (2.68 kg)
- **Package Dimensions:** Approximately 15.43 x 11.57 x 4.61 inches (39.2 x 29.4 x 11.7 cm)
- **Adjustability:** Multi-way adjustable left foot pedal, accelerator guard, and gas pedal roller
- **Mounting:** Bolt-down to floorboard (drilling required)
- **Features:** Quick-release mechanism

11. Warranty and Support

OceanicEcho is committed to providing high-quality products and service. For specific warranty information regarding your Left Foot Accelerator Pedal, please refer to the product packaging or contact OceanicEcho customer support directly. Our team is ready to assist you with any questions or concerns you may have during use.

Contact Information: Please visit the official OceanicEcho website or refer to your purchase documentation for the most current customer support contact details.

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