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› Huayong HXJS-4805C Foot Control Pedal Accelerator User Manual

## Huayong HXJS-4805C

# Huayong HXJS-4805C Foot Control Pedal Accelerator User Manual

Model: HXJS-4805C | Brand: Huayong

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of the Huayong HXJS-4805C Foot Control Pedal Accelerator. This Hall-type accelerator is designed for use in electric trucks and forklifts, providing precise speed control. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.



Figure 1: Overview of the Huayong HXJS-4805C Foot Control Pedal Accelerator. This image shows the complete pedal assembly with its integrated wiring harness and connector.

## 2. PRODUCT FEATURES

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- **Strong Durability:** Constructed from high-strength materials to ensure long-term use and resistance to wear, extending equipment lifespan.
- **High Safety Performance:** Designed to meet safety standards, providing stable acceleration control and reducing operational risks.
- **Comfortable Operation:** Ergonomically designed to minimize operator fatigue and enhance work efficiency.
- **Strong Adaptability:** Compatible with various forklift models, facilitating easy installation and maintenance.
- **Cost-Effective:** Offers excellent performance and reliability at a reasonable cost.

## 3. SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury or damage to equipment:

- **Professional Installation:** Installation should only be performed by qualified personnel with experience in electric vehicle systems.
- **Power Disconnection:** Always disconnect the vehicle's power supply before attempting any installation, maintenance, or repair work.
- **Wiring Integrity:** Ensure all wiring connections are secure and correctly matched to avoid electrical shorts or malfunctions.
- **Environmental Conditions:** Do not expose the pedal to excessive moisture, extreme temperatures, or corrosive substances.
- **Regular Inspection:** Periodically inspect the pedal for any signs of wear, damage, or loose connections.

## 4. SETUP AND INSTALLATION

The HXJS-4805C accelerator pedal is designed for straightforward integration into compatible electric vehicle systems. Follow these general steps for installation:

1. **Prepare the Vehicle:** Ensure the electric truck or forklift is powered off and the battery is disconnected to prevent accidental activation or electrical hazards.
2. **Remove Old Pedal (if applicable):** Carefully disconnect the wiring and unmount the existing accelerator pedal from its position.
3. **Position the New Pedal:** Place the HXJS-4805C pedal in the designated mounting area. Ensure it aligns correctly with existing mounting points.



Figure 2: Underside view of the pedal, highlighting the mounting holes for secure attachment to the vehicle floor or frame.

4. **Secure the Pedal:** Use appropriate fasteners (not included) to securely mount the pedal. Ensure there is no wobble or movement.
5. **Connect Wiring:** Connect the pedal's wiring harness to the vehicle's control system. Refer to the vehicle's specific wiring diagram for correct connections. The pedal features a standard connector for ease of integration.



Figure 3: Close-up of the electrical connector, showing the pin configuration for connection to the vehicle's wiring harness.

6. **Test Functionality:** Reconnect the vehicle's power supply. With the vehicle in a safe, clear area, slowly test the pedal's response to ensure proper acceleration and smooth operation.

*Note: Always consult the vehicle manufacturer's service manual for specific installation procedures and wiring diagrams.*

## 5. OPERATING INSTRUCTIONS

The HXJS-4805C foot control pedal operates like a standard accelerator pedal in electric vehicles. Its Hall-type sensor provides precise and linear control over the vehicle's speed.

- **Gentle Application:** Apply pressure to the pedal gradually to achieve smooth acceleration.
- **Progressive Control:** The further the pedal is depressed, the greater the acceleration and speed.
- **Release for Deceleration:** Releasing pressure on the pedal will reduce acceleration and allow the vehicle to decelerate.



Figure 4: Side view illustrating the internal spring mechanism and pivot point of the accelerator pedal, which ensures smooth and consistent pedal return.

## 6. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your HXJS-4805C pedal.

- **Cleaning:** Keep the pedal surface clean and free from dirt, debris, or obstructions that could impede its movement. Use a dry or slightly damp cloth for cleaning. Avoid harsh chemicals.
- **Inspection:** Periodically check the pedal for any signs of physical damage, cracks, or excessive wear. Inspect the wiring harness for fraying or loose connections.
- **Lubrication:** The internal mechanisms are generally maintenance-free. If any squeaking or stiffness occurs, consult a qualified technician for appropriate lubrication.
- **Fastener Check:** Ensure all mounting fasteners remain tight. Retighten if necessary.

## 7. TROUBLESHOOTING

If you encounter issues with the HXJS-4805C pedal, consider the following common troubleshooting steps:

- **No Response from Pedal:**
  - Check all wiring connections for security and correct polarity.
  - Verify that the vehicle's power supply is active.
  - Inspect the pedal for any physical obstructions preventing full movement.
- **Erratic or Inconsistent Acceleration:**
  - Ensure the pedal is clean and free of debris.
  - Check for any loose internal components or damage to the Hall sensor area.
  - Consult a technician to diagnose potential issues with the vehicle's controller or the pedal's sensor.

- **Pedal Stiffness or Sticking:**

- Clean the pivot points and ensure no foreign objects are lodged.
- If stiffness persists, professional inspection and lubrication may be required.

For issues not resolved by these steps, contact a qualified service technician or the manufacturer for assistance.

## 8. SPECIFICATIONS

<b>Model Number</b>	HXJS-4805C
<b>Manufacturer</b>	Huayong
<b>Type</b>	Hall Type Accelerator Foot Control Pedal
<b>Application</b>	Electric Trucks, Forklifts
<b>Package Dimensions</b>	1.18 x 0.79 x 0.39 inches (approximate)
<b>Item Weight</b>	2.2 pounds
<b>Assembly Required</b>	No (installation into vehicle required)
<b>Number of Pieces</b>	1

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact your original point of purchase or the manufacturer, Huayong, directly. Keep your purchase receipt as proof of purchase.

**Manufacturer:** Huayong

*Contact details are typically provided with the product packaging or on the manufacturer's official website.*