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Einhell BT-PT 2500

Einhell Hydraulic Pallet Truck BT-PT 2500 Instruction Manual

Model: BT-PT 2500

Brand: Einhell

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Einhell BT-PT 2500 Hydraulic Pallet Truck. Please read it thoroughly before initial use and retain it for future reference. The Einhell BT-PT 2500 is designed for lifting and transporting palletized goods up to a maximum capacity of 2500 kg. It features silent operation and low rolling resistance for ease of use in various industrial and commercial environments.



Figure 1: Einhell BT-PT 2500 Hydraulic Pallet Truck. This image shows the complete pallet truck with its forks, handle, and wheels, ready for operation.

2. SAFETY INSTRUCTIONS

Adherence to safety guidelines is crucial to prevent injury and damage to the equipment. Always prioritize safety during operation.

- Always wear appropriate personal protective equipment (PPE), including safety shoes and gloves.
- Do not exceed the maximum load capacity of **2500 kg**. Overloading can cause structural failure and serious injury.
- Ensure the load is stable, centered, and securely placed on the forks before attempting to lift or move.
- Operate the pallet truck only on level, stable, and clear surfaces. Avoid slopes, uneven ground, or cluttered areas.
- Keep hands and feet clear of all moving parts, especially the forks and wheels, during operation.
- Never use the pallet truck for lifting or transporting personnel. It is designed solely for material handling.
- Inspect the pallet truck for any damage or malfunctions before each use. Do not operate if any defects are found.
- Maintain a clear line of sight when moving loads.
- Do not leave a loaded pallet truck unattended on an incline.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of the Einhell BT-PT 2500:

- **Forks:** The two prongs that slide under pallets to lift them.
- **Hydraulic Pump:** The mechanism that lifts the forks when the handle is pumped.
- **Drawbar/Handle:** Used for steering, pumping the hydraulic system, and controlling the lift/lower/neutral functions.
- **Control Lever:** Located on the drawbar, it allows selection of 'Lift', 'Neutral', and 'Lower' functions.
- **Steering Wheels:** The larger wheels at the front (handle end) that allow for directional control.
- **Fork Wheels:** The smaller wheels located at the end of the forks, designed for smooth movement under loads. These are ball-bearing mounted and plastic-coated for low rolling resistance and silent operation.

4. SETUP

Before operating the pallet truck, perform the following setup steps:

1. **Unpacking and Inspection:** Carefully remove the pallet truck from its packaging. Inspect all components for any signs of shipping damage. Report any damage to the supplier immediately.
2. **Handle Assembly:** Attach the drawbar (handle) to the main body of the pallet truck according to the provided assembly instructions (if applicable). Ensure all bolts and fasteners are securely tightened.
3. **Initial Checks:**
 - Verify that all wheels (steering and fork wheels) rotate freely and are free from obstructions.
 - Check the functionality of the control lever on the drawbar for 'Lift', 'Neutral', and 'Lower' positions.
 - Ensure the hydraulic system operates smoothly by performing a few test lifts and lowers without a load.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation:

1. **Positioning the Pallet Truck:** Approach the pallet squarely. Ensure the forks are fully lowered by setting the control lever to the 'Lower' position. Carefully slide the forks completely under the pallet.
2. **Lifting a Load:** Set the control lever on the drawbar to the 'Lift' position. Pump the drawbar handle up and down repeatedly. The forks will gradually rise, lifting the pallet. Continue pumping until the pallet is clear of the ground and any obstacles, but avoid lifting higher than necessary for transport.
3. **Moving a Load:** Once the load is lifted, set the control lever to the 'Neutral' position. This disengages the hydraulic pump, allowing for easier steering and movement. Use the drawbar to steer and pull or push the pallet truck to its destination. Maintain a steady pace and be aware of your surroundings.
4. **Lowering a Load:** Once at the destination, position the pallet truck correctly. Set the control lever to the 'Lower' position. The forks will slowly descend, placing the pallet back on the ground. Ensure the forks are fully lowered before attempting to remove them from under the pallet.
5. **Parking:** After use, ensure the forks are fully lowered and the pallet truck is parked in a designated, safe area, away from traffic paths.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your pallet truck.

- **Cleaning:** Keep the pallet truck clean, especially the wheels, forks, and hydraulic components. Remove any debris,

dust, or dirt that could impede movement or damage parts.

- **Lubrication:** Periodically lubricate all moving parts, including axles, pivot points, and wheel bearings, with appropriate grease or oil. This reduces friction and wear.
- **Hydraulic System Check:** Regularly inspect the hydraulic pump and cylinders for any signs of leaks. If a leak is detected or the lifting performance degrades, consult a qualified technician for inspection and repair. Do not attempt to repair the hydraulic system yourself unless you are trained to do so.
- **Wheel Inspection:** Check the steering and fork wheels for wear, cracks, or damage. Worn wheels can affect maneuverability and stability. Replace damaged wheels promptly.
- **Fastener Checks:** Periodically check all bolts, nuts, and fasteners for tightness. Tighten any loose fasteners to prevent components from detaching during operation.

7. TROUBLESHOOTING

This section addresses common issues you might encounter:

| Problem | Possible Cause | Solution |
|-----------------------------------|---|---|
| Pallet truck does not lift. | Low hydraulic fluid level; Control lever not in 'Lift' position; Overload; Air in hydraulic system. | Check hydraulic fluid (consult technician); Ensure lever is fully in 'Lift'; Reduce load; Bleed air from system (consult technician). |
| Pallet truck does not lower. | Control lever not in 'Lower' position; Obstruction; Hydraulic valve malfunction. | Ensure lever is fully in 'Lower'; Check for obstructions under forks; Consult technician for valve inspection. |
| Difficult to move or steer. | Damaged or worn wheels; Debris in wheels; Insufficient lubrication; Overload. | Inspect and replace damaged wheels; Clean wheels and axles; Lubricate moving parts; Reduce load. |
| Forks descend slowly or unevenly. | Low hydraulic fluid; Leaking hydraulic seals; Air in hydraulic system. | Check fluid level; Consult technician for seal replacement or air bleeding. |

8. SPECIFICATIONS

Technical data for the Einhell BT-PT 2500 Hydraulic Pallet Truck:

- **Model:** BT-PT 2500
- **Maximum Load Capacity:** 2500 kg
- **Minimum Fork Height:** 8.5 cm
- **Maximum Fork Height:** 20 cm
- **Fork Length:** 115 cm
- **Fork Width (overall):** 55 cm
- **Product Dimensions (L x W x H):** 210 cm x 74 cm x 56 cm
- **Product Weight:** 62 kg
- **Number of Wheels:** 6 (2 steering, 4 fork)
- **Wheel Material:** Plastic (with ball bearings)
- **Main Body Material:** Steel (with plastic components for wheels/coating)

9. WARRANTY AND SUPPORT

For detailed warranty information, terms, and conditions, please refer to the documentation provided with your purchase. In case of technical issues, spare parts inquiries, or warranty claims, please contact Einhell customer service or your authorized dealer. You may also visit the official Einhell website for further assistance and product information.

Einhell Official Website: www.einhell.com