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Wacker Neuson WP1550

Wacker Neuson WP1550 Plate Compactor Lifting Cage Frame Instruction Manual

Model: WP1550 | Part Number: 0110210

INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of the Wacker Neuson WP1550 Plate Compactor Lifting Cage Frame, OEM Part 0110210. Please read this manual thoroughly before using the product to ensure safe and efficient operation and to prevent damage.

This lifting cage frame is designed specifically for Wacker Neuson WP1550 series plate compactors. It is crucial to verify compatibility with your specific compactor model and year of manufacture, as this part does not fit all 2016 and newer WP1550 plates.

PRODUCT OVERVIEW

The Wacker Neuson WP1550 Plate Compactor Lifting Cage Frame (Part 0110210) is an original equipment manufacturer (OEM) component designed to facilitate the safe and secure lifting and transportation of compatible Wacker Neuson plate compactors. This frame provides designated attachment points for lifting equipment, enhancing operational safety and efficiency.



Image: The Wacker Neuson WP1550 Plate Compactor Lifting Cage Frame, OEM Part 0110210. The frame is gray, made of sturdy metal tubing, and is shown with white protective foam packaging around several sections, indicating it is new and ready for installation. A product label is visible on one of the foam-wrapped sections.

Key Features:

- **OEM Quality:** Manufactured to Wacker Neuson's original specifications for perfect fit and performance.
- **Durable Construction:** Robust metal frame designed for heavy-duty use in construction environments.
- **Enhanced Safety:** Provides secure lifting points for safe handling of the plate compactor.
- **Compatibility:** Specifically designed for 2015 and older Wacker WP1550, WP1550a, WP1550aw, and WP1550w models. *Note: Does not fit all 2016 and newer 1550 plates.*

SETUP AND INSTALLATION

Proper installation of the lifting cage frame is critical for safety and functionality. It is recommended that installation be performed by qualified personnel with experience in Wacker Neuson equipment.

Required Tools:

- Appropriate wrenches or sockets
- Torque wrench (for specified torque settings)
- Safety gloves and eye protection

Installation Steps:

1. **Safety First:** Ensure the plate compactor is turned off, cooled down, and disconnected from any power source. Place it on a stable, level surface.

- Identify Mounting Points:** Locate the designated mounting points on your WP1550 plate compactor chassis. These are typically pre-drilled holes designed to accept the lifting cage frame.
- Position the Frame:** Carefully align the lifting cage frame with the mounting points on the compactor. Ensure the frame's orientation is correct, with the lifting eye facing upwards.
- Secure with Hardware:** Insert the appropriate bolts, washers, and nuts (not included with frame, typically reused from existing setup or purchased separately) through the frame and compactor mounting points.
- Tighten Fasteners:** Hand-tighten all fasteners initially. Once all fasteners are in place, use a torque wrench to tighten them to the manufacturer's specified torque settings. Refer to your specific WP1550 compactor's service manual for exact torque values. *Over-tightening or under-tightening can lead to damage or unsafe conditions.*
- Final Check:** Visually inspect all connections to ensure they are secure. Gently attempt to move the frame to confirm it is firmly attached to the compactor.

Warning: Incorrect installation can lead to serious injury or equipment damage. If unsure, consult a certified Wacker Neuson technician.

OPERATING INSTRUCTIONS (LIFTING AND TRANSPORT)

The lifting cage frame is designed for safe lifting and transportation of the plate compactor. Always adhere to standard lifting safety procedures.

Safety Precautions:

- Ensure the lifting equipment (crane, hoist, forklift) has sufficient capacity for the weight of the compactor with the frame.
- Use appropriate lifting slings or chains that are in good condition and rated for the load.
- Never stand directly under a suspended load.
- Ensure the area is clear of personnel and obstructions before lifting.
- Lift the compactor slowly and smoothly, avoiding sudden movements.

Lifting Procedure:

- Attach Lifting Equipment:** Securely attach the lifting hook or sling from your lifting equipment to the designated lifting eye or points on the lifting cage frame. Ensure the attachment is centered and balanced.
- Verify Balance:** Before lifting fully, raise the compactor a few inches off the ground to check for balance. Adjust the lifting points or sling if necessary to ensure a stable lift.
- Lift and Transport:** Slowly lift the compactor to the desired height. Transport it carefully to its new location, maintaining control of the load at all times.
- Lower Safely:** Lower the compactor slowly and precisely onto a stable, level surface. Once it is fully supported, detach the lifting equipment.

MAINTENANCE

Regular inspection and maintenance of the lifting cage frame will ensure its longevity and safe operation.

Inspection Schedule:

- Before Each Use:** Visually inspect the frame for any signs of damage, cracks, bends, or deformation.
- Monthly/After Heavy Use:** Conduct a more thorough inspection.

Maintenance Checks:

- **Fasteners:** Check all bolts, nuts, and washers for tightness. Re-torque if necessary according to the compactor's service manual.
- **Welds:** Inspect all welded joints for cracks or signs of fatigue.
- **Corrosion:** Check for rust or corrosion, especially in high-stress areas. Clean and apply rust-preventative coating if needed.
- **Deformation:** Ensure the frame is not bent or twisted. Any deformation can compromise its structural integrity.

Warning: Do not use a damaged lifting cage frame. Replace any damaged components immediately with genuine Wacker Neuson parts.

TROUBLESHOOTING

This section addresses common issues related to the lifting cage frame. For issues with the plate compactor itself, refer to its specific manual.

Problem	Possible Cause	Solution
Frame appears loose or wobbly after installation.	Fasteners are not tightened to specification.	Re-torque all mounting bolts to the recommended specifications.
Difficulty aligning frame with compactor.	Incorrect frame orientation or compactor model incompatibility.	Ensure the frame is oriented correctly. Verify your compactor model is a 2015 or older WP1550 series. This frame does not fit all 2016 and newer models.
Visible cracks or bends on the frame.	Impact damage, material fatigue, or excessive load.	Immediately cease use. The frame is compromised and must be replaced with a new OEM part. Do not attempt to repair structural damage.

SPECIFICATIONS

Part Number:	0110210
Product Type:	Lifting Cage Frame
Compatibility:	Wacker Neuson WP1550, WP1550a, WP1550aw, WP1550w Plate Compactors (2015 and older models)
Material:	Steel
Color:	Gray
Manufacturer:	Wacker Neuson

SUPPORT AND CONTACT INFORMATION

For technical assistance, genuine replacement parts, or warranty inquiries regarding your Wacker Neuson equipment, please contact Wacker Neuson customer support or an authorized dealer.

Wacker Neuson Official Website: www.wackerneuson.com

Please have your product model and part number (0110210) ready when contacting support.

