

W-BL175 Wheel Lift Operation Manual



WEAVER
E Q U I P M E N T

Please read this manual before operation

INSTRUCTIONS FOR WHEEL LIFTER

TB-J-0500000

INTRODUCTION

The purpose of this manual is to provide the owner and operator of this machine with a set of practical and safe instructions on the use and maintenance of the car wheel lifter.

If you carefully follow these instructions, the equipment will provide you with efficient and lasting services, which is the consistent feature of our products, thus making your work easier.

The following paragraphs define the hazard levels associated with the warning headings in this manual:

DANGER

Direct danger, causing serious injury or death.

WARNING

Hazards or unsafe procedures that may cause serious injury or death.

CAUTION

Hazardous or unsafe procedures that may result in minor injury or property damage.

Please read these instructions carefully before operating the equipment. Keep this manual and all explanatory materials provided with the machine in a folder near the equipment so that the machine operator can consult it at any time.

The technical documents provided are regarded as an integral part of the equipment; In the case of sale, all relevant documents must be retained with the equipment.



warning

Observe the contents of this manual: any use of the machine without special instructions shall be the full responsibility of the operator.

Some of the illustrations included in this manual are based on prototype photos, and standard production machines may differ in some details.

These instructions are for people with basic mechanical skills to view. We have So by omitting how to loosen or unscrew

The description of each operation is simplified by detailed description of fastening device, etc.

Do not attempt to operate the device. Unless they have appropriate qualifications or experience. If necessary, please contact an authorized service center for assistance.

TRANSPORT, STORAGE AND HANDLING

Equipment transportation conditions

Wheel lifts must be transported in their original packaging and stored in externally indicated locations.

Package size (Figure 1):

- A (depth) 665mm
- B (width) 965mm
- C (height) 465mm
- Equipment weight (including package): 70 kg

Environmental conditions for equipment transportation and storage

- Relative humidity: 20% - 80%
- Temperature range: - 10 ° - +60 ° C



warning

To avoid damage, do not place other items on top of the package. Up to 3 packages can be stacked on top of each other.



warning

Keep the original packaging materials so that the machine can be safely transported when needed later.

Unpacking/Assembly



warning

Carefully perform the following unpacking, assembly, lifting and installation operations.

Failure to follow these recommendations may damage the equipment and endanger the safety of the operator.

Take out the equipment from the top of the package (Figure 1) to ensure that it is not damaged during transportation.

Lifting/Handling

If handled carefully, it is also possible to manually remove the packaging (wooden box) of the various components that make up the wheel lift of the wheel balancer.

The wheel lifter consists of:

- Base with lifting trolley (A, Figure 2)
- Handle with control valve (B, Figure 2)
- Wheel loading ramp (C, Figure 2)

INSTALL



warning

The wheel lifter must be installed on a flat cement floor at least 10 cm thick, with a resistance level of R1bk 250 (load capacity~50 kg/cm²), and the wheel balancer fasten support shall be used and internal attached fixing tools supplied . The quality of the ground must ensure the stable use of the wheel lifter after it is correctly fixed.

Environmental working conditions

- Relative humidity 30% - 80%.
- Temperature 0 ° C - 55 ° C



warning

This equipment is not allowed to be used in potentially explosive environments.

Assembly/Installation For Wheel lifter

Place the equipment on the side of the balancing shaft of the balancing machine
Place the edge of lifter base about 200-210 mm from the side of the wheel balancer, and try to align the wheel lifter with the balance shaft of the wheel balancer.
Tighten the fastening screws (A, Figure 3) in Figure 3A below, so that the trolley can move freely.

Install the handle in the vertical position (B, Figure 3) using the 4 screws provided and tighten it completely (C, Figure 3).

Connect the compressed air delivery pipe to the quick connect fitting (D, Figure 3).

Check the operation of the wheel lifting command (E, Figure 3), and raise the wheel lifter to the maximum height to see the base.

SAFETY REGULATIONS



warning

Failure to follow these instructions and warnings may cause serious injury to the operator or any other person present. Do not operate the equipment until you have read and understood all the hazards/warnings/precautions in this manual.

The correct use of this wheel lifter requires a qualified and authorized operator. The operator must be able to understand the manufacturer's written instructions, have received appropriate training and be familiar with safety procedures and regulations. It is forbidden for operators to use the machine under the influence of alcohol or drugs that may affect their physical and mental abilities.

In any case, the following conditions are indispensable:

- Read and understand all instructions on how to use the machine.
- Make sure you fully understand the functions and features of this device.
- Keep unauthorized personnel away from the operation area.
- Ensure that the equipment is installed in accordance with all current applicable standards and regulations.
- Ensure that all machine operators are properly trained to use the machine correctly and are adequately monitored during work.
- Read this manual carefully to learn how to use the equipment correctly and safely.
- Always keep this user and maintenance manual at a place where it is easy to look up, and look up when confirmation or explanation is needed.



warning

Do not remove or deface safety hazard, warning or instruction labels. Replace any missing or illegible labels. If one or more stickers fall off or are damaged, they can be replaced from the nearest dealer.

- Please observe the unified industrial accident prevention regulations when using the equipment and performing maintenance operations.
- Any unauthorized modification of the equipment will exempt

the manufacturer from all responsibilities

Modifying machine safety devices would violate regulations on work safety



be careful

During work and maintenance operations, always tie your long hair behind your head. Do not wear loose clothes, ties, necklaces, rings or watches to avoid being caught by moving parts.

WHEEL LIFTER DESCRIPTION

The wheel lifter used for the wheel balancer is a device fixed on the side of the wheel balancer to reduce the lifting force. It also makes it easier for the wheels to be in place on the wheel balancer shaft.

TECHNICAL DATA

- Maximum wheel width	400mm
- Maximum wheel diameter	1100 mm
- Maximum wheel weight.....	80 kg
- Transmission stroke	585mm
- pressure.....	6 BAR
- Maximum width	650mm
- Maximum length.....	950 mm
- Maximum height.....	1225mm
- weight.....	58 kg
- Noise level under operating conditions	≤ 70 dB (A)

SPECIFIC CONDITIONS OF USE

The wheel lifter of the wheel balancer is specially designed to lift and move the wheels from the floor to the axle of the wheel balancer selected for the equipment in a fast, safe and easy way. If you are not sure whether the device can be used for your, please contact your local dealer.



be careful

Any use other than those described in this manual is considered improper and unreasonable.



warning

It is recommended that you use raw devices only with this device.



warning.

To stop the equipment in case of emergency: isolate the pneumatic supply line by disconnecting the connecting valve with the quick coupling.

MAIN OPERATING ELEMENTS



warning

Know your device. It is the best guarantee of safety and performance to let all operators who use this equipment know its working principle.

Know the function and location of all commands.

Carefully check that all controls on the balancer are working properly.

The machine must be correctly installed, operated and repaired as needed to prevent accidents and injuries.

- 1 Wheel trolley
- 2 base
- 3 Slide guide
- 4 Get on ramp
- 5 Ground fixing hole
- 6 Control handle
- 7 Start valve
- 8 Voltage limiter

HAZARD WARNING LABEL



Risk of crushing upper and lower limbs



No access

USE OF WHEEL LIFTER FOR WHEEL BALANCER

Lift the wheel and clamp it on the wheel balancer

- Move the trolley to the far right of its slide rail (A, Figure 5).
- Use the ramp to load the wheels onto the trolley (B, Figure 5).
- Use the control valve (C, Figure 5) to raise the wheels to the required height.
- Move the trolley with wheels to the wheel balancer and apply force with the handle.
- Use pneumatic valves to better set the height/or reduce it by applying pressure directly to the wheels.
- Clamp the wheel on the wheel balancer with an automatic clamping device or lock nut.
- Lower the wheel lifter slightly and move it slightly to the right, so that it will not interfere with rotation, thus affecting the operation of the wheel balancer.

Remove the wheel from the wheel balancer

- Use the handle to translate the trolley so that it contacts the wheels.
- Use the control valve (C, Figure 5) to move the trolley so that it contacts the wheels, and apply slight force.
- Release the wheel from the balancer shaft.
- Swing the wheel slightly towards the lifter handle to remove it from the support flange of the machine, and then move the trolley to the right (A, Figure 5) to disengage the wheel from the balance shaft.
- Use the control valve (C, Figure 5) to lower the wheel completely, and then carefully use the ramp (B, Figure 5) to manually place it on the ground.

Stop method and Equipment

The wheel lifter control valve is a control valve without a hold function, so the release control will stop movement

TROUBLESHOOTING

Unable to lift the wheel

- Check whether there is enough pressure in the air supply system (minimum 6 BAR, maximum 10 BAR).
- Check whether the pneumatic pipeline is intact.
- Check the control valve.
- Check the cylinder.
-

Unable to lower the wheels



attention

- Check whether there is any obstacle hindering the trolley from descending. If so, use the control valve to reach the maximum lifting height and remove obstacle before attempting to lower the wheels.

MAINTAIN



warning

The manufacturer shall not be liable for any claims arising from the use of non original spare parts or accessories.



warning

Before any adjustment or maintenance, please disconnect the equipment from the pneumatic power supply and check whether all moving parts are fixed.



warning

Do not remove or change any part of this device (only service personnel can do this).



warning

Keep the work area clean.

Do not use water jets to remove dirt or residues from the equipment.

During cleaning operation, try to prevent dust from forming or rising.

In order to make the equipment have a longer service life and better performance, it is recommended that:

- Clean and lubricate the wheel trolley with universal grease every month.



warning

It is prohibited to carry out any work aimed at modifying the calibration value of the maximum pressure valve or the working pressure of the pressure limiter.
The manufacturer shall not be liable for any loss caused by tampering with the above valves.

INFORMATION ABOUT SCRAPPING

If the machine is to be scrapped, remove all electrical, electronic, plastic and metal parts.

Dispose of them separately according to the current local regulations.

FIRE EXTINGUISHING SUPPLIES USED

Refer to the table below to select the most suitable fire extinguisher.

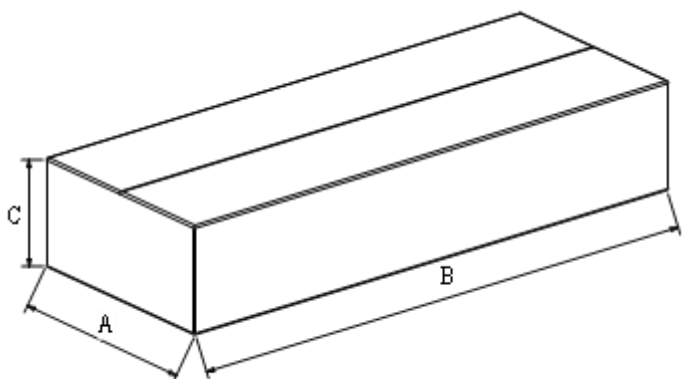
	Dry material	Flammable liquid	Electronic equipment
water	yes	not	not
foam	yes	yes	not
powder	Yes*	yes	yes
CO2	Yes*	yes	yes

It can only be used when there is no more suitable fire extinguisher at hand and the fire is small.

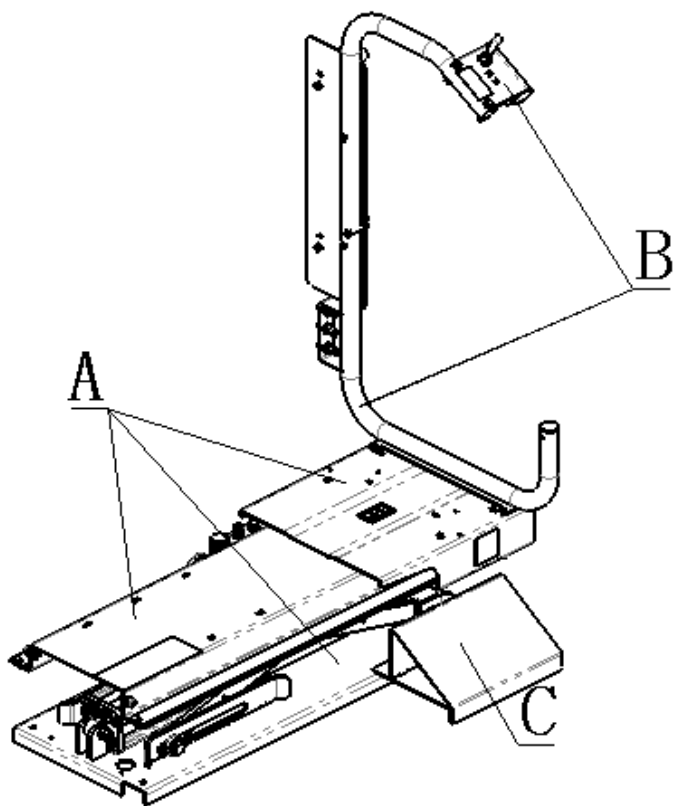


warning

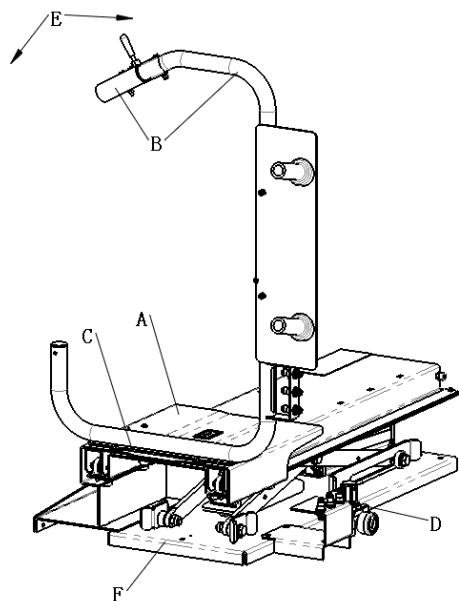
The indications in this table are of a general nature. They are designed as user guides. Information on each type of extinguisher application must be obtained from the manufacturer.



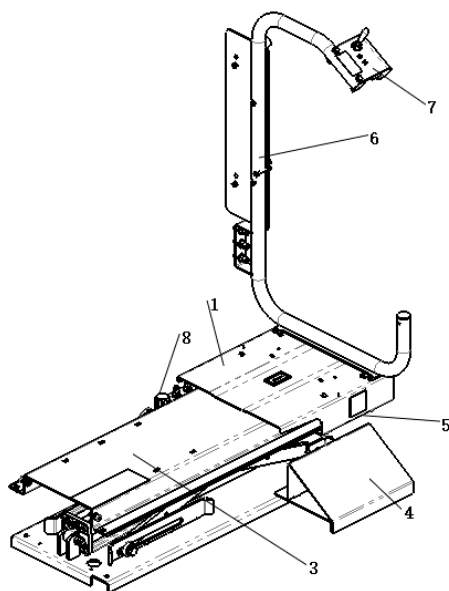
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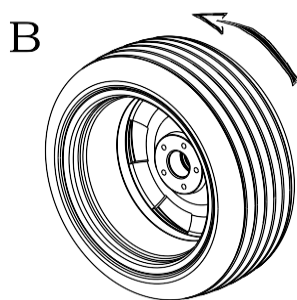
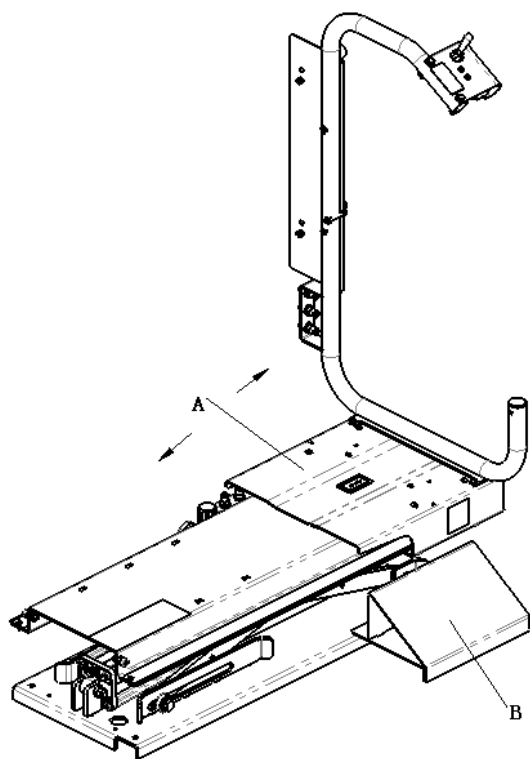
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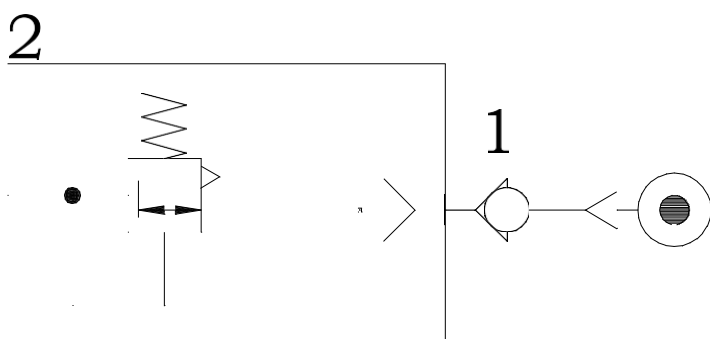
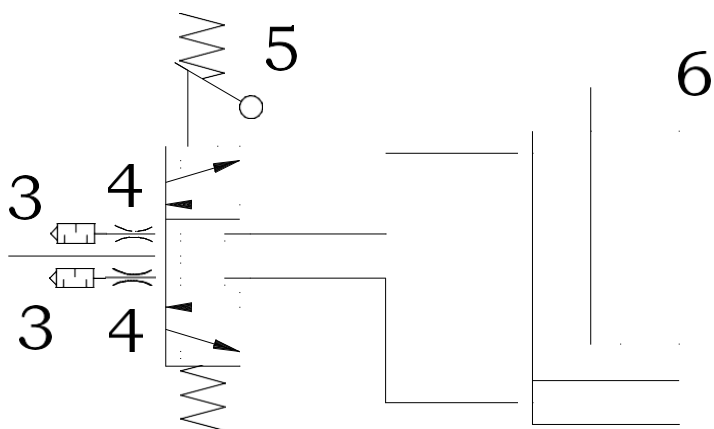
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note