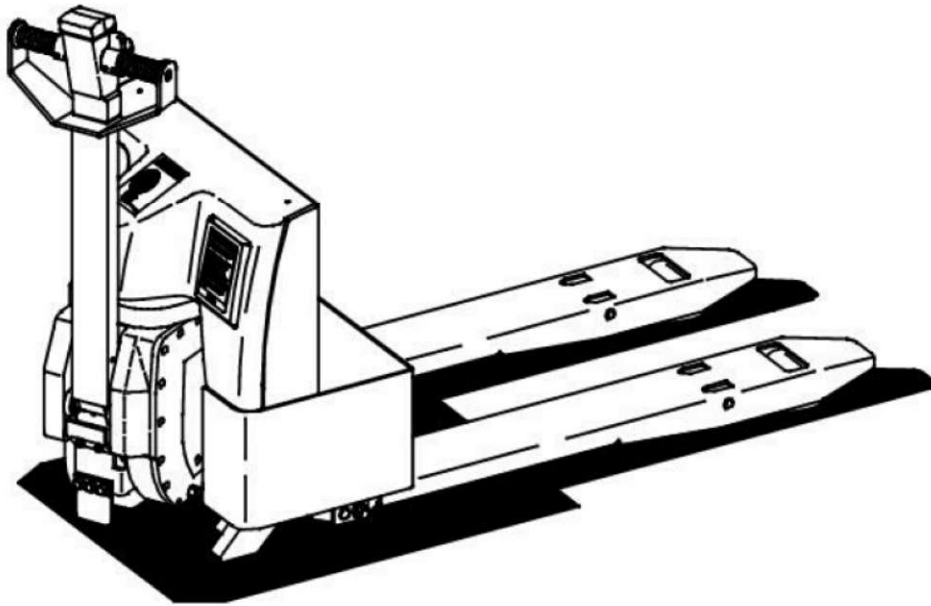


CLARK®

Operator's Manual

WP45

Electric Low Lift Pallet Truck



The operator must read and understand this manual before operating this truck.

Warning Keep this **OPERATOR'S MANUAL** with unit at all times in place provided when not in use.

Warning **DO NOT** operate this equipment unless all factory installed guards and shields are properly secured in place.

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Safety regulations

General safety regulations

Operating the truck

- The truck is designed and produced to be your tool when transporting goods to locations.
- If the truck is to be used in cold storage environments the truck must be especially built for this type of use.
- It is **not permitted** to use the truck for other purposes than it has been designed and produced for, for example the following applications:
 - In areas where the atmosphere contains gases that can cause fires or explosions.
 - As a towing truck for trailers.
 - To tow other trucks.
 - To transport/lift passengers.

Warning and information decals

Warning decals

Clean or replace all safety and instruction decals that cannot be read.

When you clean decals use only a cloth, soap, and water. **DO NOT** use solvent, gasoline, etc.

You must replace a decal if the decal is damaged, missing, or cannot be read.

If a decal is on a part that is replaced, make sure you install a new decal on the new part. New warning decals can be obtained from your **CLARK Dealer**.

Presentation of main components

Presentation of main components

1. Reverser switch

The end of the control handle is equipped with a red automatic reversing switch which causes the truck to travel in the rearward direction when activated

2. Travel speed / direction selection

To select direction rotate in the direction you wish to move. The further in that direction you rotate the faster you move.

3. Fork lower switch

The forks will lower when switch is pressed or until lower stops are reached.

4. Fork raise switch

The forks will raise when switch is pressed or until lift stops are reached.

5. Horn switch

The horn sounds to warn others of your position.

6. Battery

24 volt with different capacities and weights.

7. Load wheel

Lubricated load wheels to prevent wheels from locking up.

8. Drive unit with brake

Fixed drive unit with a spring applied brake, drive motor, gear box and drive wheel combined into a compact unit. The steering bearings are at the top of the drive unit.

9. Electric panel

24 volt electrical system. Vehicle speed is regulated by means of a transistor controller.

10. Circuit breaker

15A, Control circuit breaker part number 25275-06.

80A, Power circuit breaker part number 301890-002.

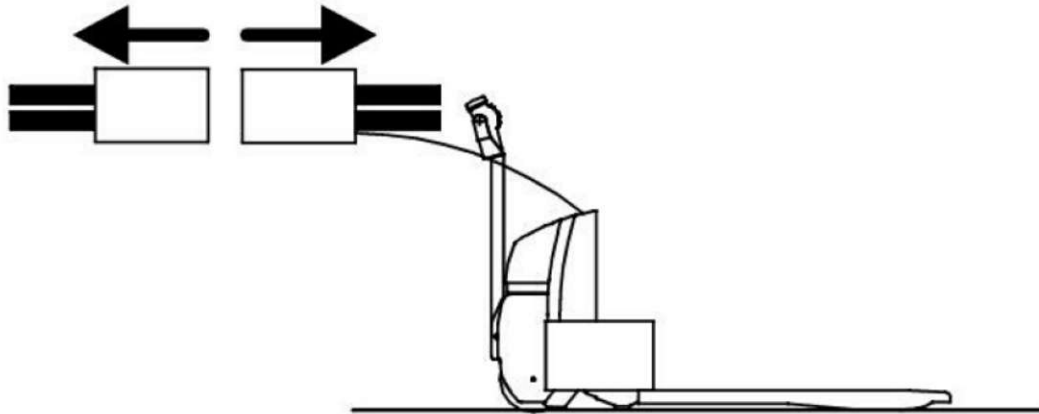
11. Cover

Removable to provide good accessibility when servicing.

Controls and instruments

Emergency battery disconnect

In an emergency, first push the master control on/off switch to **OFF** this will disable all controls under normal circumstances. Then disconnect the battery connector, this will cut all electrical power to the truck. Perform all repairs before using and reconnecting battery after emergency.



Transporting loads


NOTE!


Increased machine width.

The load can collide with fixed objects.

A truck with wide loads requires a greater operating area.

- Drive the truck with the load trailing when the load impairs the line of vision.
- If necessary, when the operator's vision is impaired, ask someone to direct operations so that transportation can take place without the risk of causing personal injury or material damage.
- **DO NOT** use the truck on grades, ramps, or inclines.
- Before the truck is driven into an elevator ensure that the elevator is approved for the overall load (the truck's weight and the load). Enter with the load first. **DO NOT** permit other personnel to be in the elevator while entering or leaving.

 **Warning** Risk of overturning.
A loaded truck can overturn when attempting to turn on an incline.
Never turn a loaded truck on an incline.

 **Warning** Increased braking distance.
The braking distance is increased when traveling grade.
Drive at a reduced speed, using the truck's motor brake.

Battery

Each month:

- Measure the temperature in one of the center cells immediately after charging. The temperature should not exceed 122°F [50°C.]
- Measure the density of the battery fluid using an acid tester. Hold the acid tester absolutely vertical and extract sufficient fluid so that the hydrometer float moves freely.
- Adjust specific gravity with temperatures based on the chart below.

Temperature	Gravity
77°F [25.2°C]	1.280



Warning

Battery manufactures maintenance and charging procedures must be followed. Battery acid is very corrosive and must be immediately cleaned up after spillage.

Maintenance

- Clean carefully using the minimum of water and detergent. **Never pressure wash** or **steam clean** in the compartments.

NOTE!

Risk of short-circuiting.

The electrical system can be damaged.

Electrical components must not be cleaned with a high pressure washing unit.

- Clean the motor compartment using a degreasing agent diluted to a suitable concentration.
- Rinse off loose grime using warm water.



Electrical components

- Blow electric motors dry using compressed air.

Warning Compressed air used for cleaning **MUST** be reduced to less than 30 psi [207 kPa], and then only with effective chip-guarding and personal protective equipment.

- Clean the electrical panels, electronic boards, contacts, connector, solenoid valves, etc. using a damp cloth and a cleaning agent.
- **Do not spray or pressure wash** in the compartment.

NOTE!

Risk of short-circuiting.

Electrical components can be damaged.

Do not break the warranty seal on the electronic board.

APPENDIX A - Selected OSHA Regulations

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The use of forklift trucks in the workplace is governed by various regulations. In the United States, the Department of Labor Occupational Safety and Health Administration (OSHA) has issued regulations which cover the majority of workplaces. In addition, several states have implemented regulations which apply instead of the Department of Labor regulations. Check with your local OSHA office or provincial Labor Bureau to confirm which regulations govern your workplace. Because of their wide applicability, this section of your manual lists several parts of the Department of Labor OSHA regulations which may be of particular importance to your workplace. The full text of the Department of Labor regulations may be found in the Code of Department of Labor Regulations at 29 CFR Section 1910.178. The selections cited below and on the next page are followed by a reference to the appropriate subparagraph of the regulations.

- Modifications and additions which affect capacity and safe operation shall not be performed by the customer or user without manufacturers prior written approval. Capacity, operation and maintenance instruction plates, tags or decals shall be changed accordingly. (a) (3)
- The user shall see that all nameplates and markings are in place and are maintained in a legible condition. (a) (6)
- The employer shall ensure that each powered industrial truck operator is competent to operate a powered industrial truck safely, as demonstrated by the successful completion of the training and evaluation specified in this paragraph. (l) (1) (i)
- Prior to permitting an employee to operate a powered industrial truck (except for training purposes), the employer shall ensure that each operator has successfully completed the training required by this paragraph. (l) (1) (ii)

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