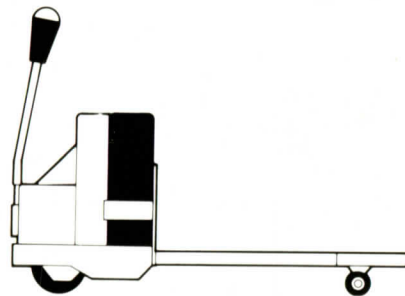

Operator's Instruction Manual



P 30 thru 60

CLARK

Book No. OI-342, 2nd REV.



WARNING

**FOR YOUR SAFETY AND THE
SAFETY OF OTHERS**

BEFORE YOU OPERATE THIS TRUCK!

**READ ALL WARNINGS AND INSTRUCTIONS IN THE
OPERATOR'S MANUAL AND ON THE TRUCK.**

CHECK THE TRUCK FOR CORRECT OPERATION.

**DO NOT OPERATE THIS TRUCK UNLESS YOU ARE
TRAINED AND AUTHORIZED TO DO SO.**

FOREWORD

Federal and state laws require that operators be completely trained in the safe operation of lift trucks.

Before you start operating this lift truck, make sure that you understand all driving procedures. It is important to operate your lift truck safely and efficiently.

This manual will help you learn how to operate your lift truck. This manual describes the controls, special features and the functions of each control.

This manual is not a training manual, it is a guide to help authorized operators safely operate a lift truck. Illustrations in this manual show the operator correct procedures for checking, starting, operating and stopping the lift truck.

Clark lift trucks are built to take hard work, but not abuse. They are built to be dependable but as with any lift truck, they are only as efficient as the operator and the persons responsible for maintaining them.

Do not make any repairs to this lift truck unless you have been trained in lift truck repair procedures and authorized by your employer.

MANUALES DE INSTRUCCIÓN PARA OPERADORES IMPRIMIDOS EN ESPAÑOL SON OBTENIDOS DE SU DISTRIBUIDOR CLARK.

BETRIEBSANWEISUNGEN IN DEUTSCHER SPRACHE KOENNEN SIE BEI IHREM CLARK-HAENDLER ERHÄLTEN.

MANUELS DE L'OPERATEUR EN LANGUE FRANCAISE PEUVENT ETRE COMMANDES CHEZ VOTRE DISTRIBUTEUR CLARK.

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DRIVE SAFELY

BEFORE YOU OPERATE THIS LIFT TRUCK, READ AND UNDERSTAND THE INSTRUCTIONS, SIGNS AND MESSAGES IN THIS MANUAL AND ON THE LIFT TRUCK.

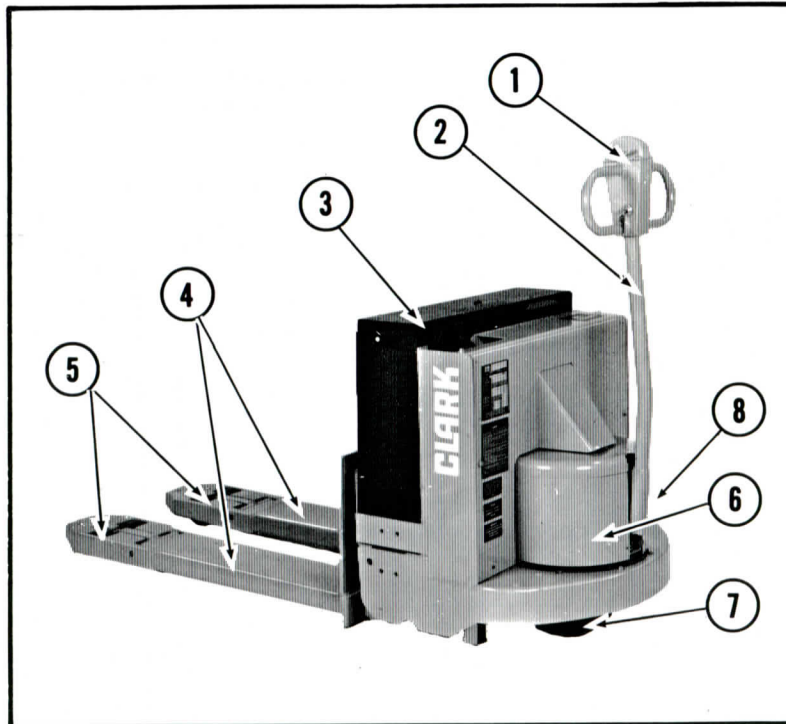
INJURY OR DEATH TO YOU OR OTHER PERSONNEL WILL OCCUR IF YOU DO NOT FOLLOW THESE INSTRUCTIONS AND MESSAGES.

STAY ALERT!

SUMMARY OF SAFE OPERATING PROCEDURES

1. Do not operate this truck unless you have been trained and authorized to do so. Read all warnings and instructions in operator's manual and on this truck.
2. Do not operate this truck until you have checked its condition. Give special attention to Tires, Horn, Lights, Battery, Controller, and Lift Systems including forks, limit switches, brakes, steering mechanism, and guards.
3. Do not ride on this truck. Operate only when standing on the floor.
4. Do not handle loads which are higher than the load backrest unless load is secured so that no part of it could fall backward.
5. Do not handle unstable or loosely stacked loads. Use special care when handling long, high or wide loads to avoid losing the load, striking bystanders, or tipping the truck.
6. Do not overload truck. Check capacity plate for load weight information.
7. Lift trucks will tip over if not properly operated. Start, stop, travel, steer and brake smoothly. Slow down for turns and on uneven or slippery surfaces that could cause truck to slide or overturn. Operate carefully when traveling without a load as the risk of overturn is greater.
8. Travel with load or lifting mechanism fully raised. Look in the direction of travel and operate the truck so that the load does not interfere with your view.
9. Operate carefully on ramps, travel slowly and do not angle or turn. Always operate on ramps with load end downhill.
10. Observe applicable traffic regulations. Yield right-of-way to pedestrians. Slow down and sound horn at cross aisles and wherever vision is obstructed.
11. Before lifting, be sure load is centered and forks are completely under load.
12. Do not put any part of your body under the forks or load.
13. Do not lift or travel with personnel on the forks.
14. Before leaving the truck, make sure the control handle is fully raised and the lifting mechanism is lowered.

Know Your Truck



1. Directional and Speed Control.
2. Steering Control Handle.
3. Battery.
4. Pallet (Load) Forks.
5. Load Wheels and Tires.
6. Drive Unit Cover.
7. Drive Wheel and Tire.
8. Machine Serial Location.

24652

P-30, P-40, P-60 "Pallet" Model Trucks

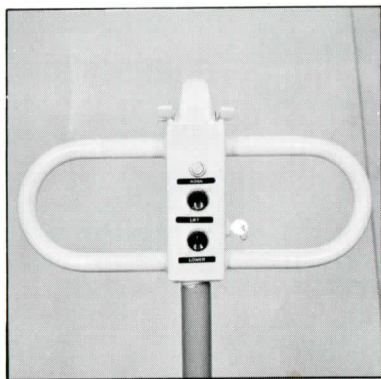
3000 lbs, 4000 lbs. or 6000 lbs. Rated Capacity

Safety



13696

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REV, APR, 84
Code: OI-342 ~~Apr 74~~

1. Only physically qualified and thoroughly trained personnel should be authorized to operate the Clark "walkie" type P-30, P-40 or P-60 "Pallet" Model Trucks.

3. Learn how your truck is operated. Know its safety devices, how they function and how your truck's special attachments, if any, work.

2. Prominently placed on every Clark truck is a list of basic rules for operation. These rules are for your protection. Be familiar with them.

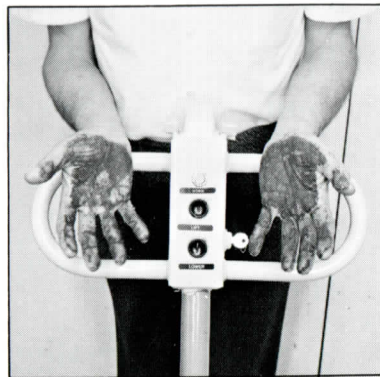
NOTE
EFFECTIVE IN LOT 5031, A WARNING DECAL HAS REPLACED THE CAUTION DECAL SHOWN. READ AND UNDERSTAND THE MESSAGES ON THE DECAL.

4. Never operate a "walkie" type truck with wet or greasy hands or shoes.



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Safety

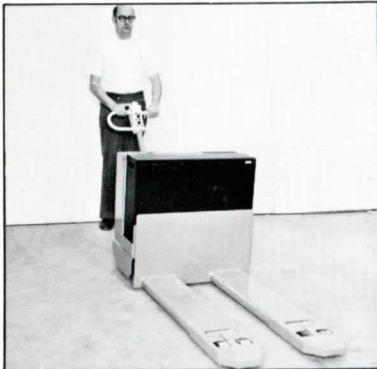


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5. The wearing of safety glasses and safety shoes is recommended when operating a "walkie" type truck.

Dress suitably and avoid wearing loose fitting clothing.

13869

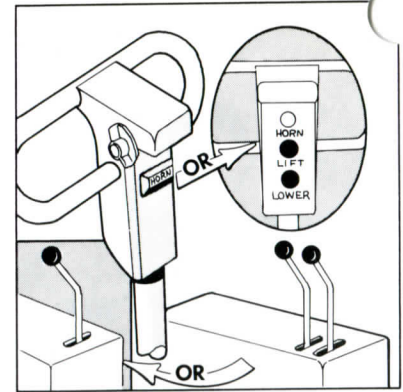


7. Look all around truck before moving it in any direction.

Once certain that your desired path of travel is unobstructed, remember to start and stop slowly and smoothly.

6. Before operating any "walkie" type truck check steering, horn, brake application, forward-reverse switch, lift-lower controls and valve control levers (if any), for proper operation.

Report any faulty or erratic performance immediately.

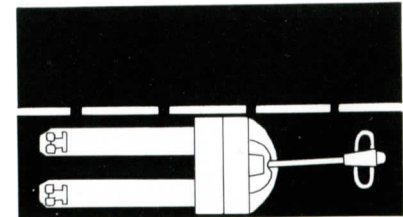
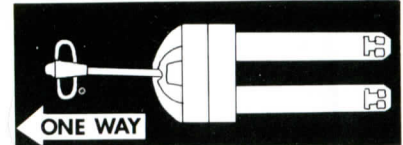


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8. Operate truck only in designated truck routes and keep operating aisles clear.

One-way aisles are recommended. If this is not practical in your operation, heed highway regulations and keep to right of aisle centerline.

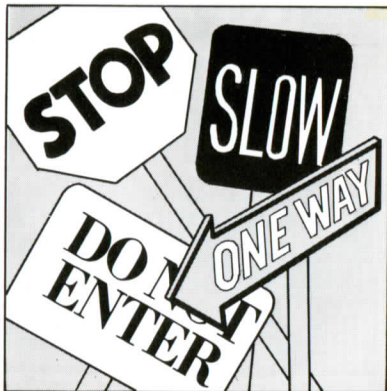


Safety



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Code: OI-342 Apr 74

9. Always be alert for pedestrians, other trucks or obstructions in your path of travel.

10. When operating a "walkie" type truck in reverse, remember to sound horn at all corners, exits, entrances and when approaching pedestrians.



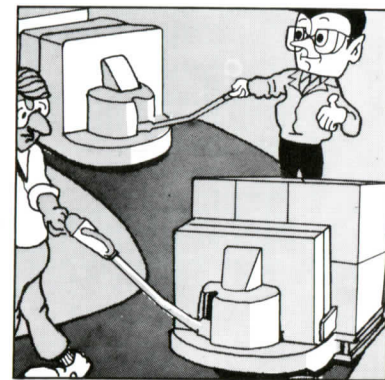
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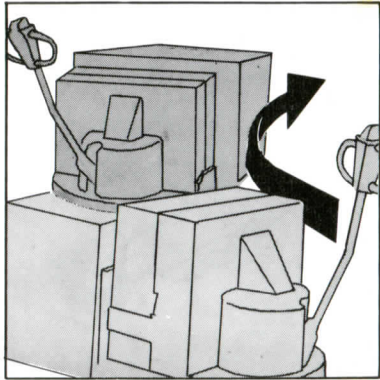
11. Obey all traffic rules and warning signs.

12. Maintain a safe distance from the truck ahead of you at all times.

Assure ample distance to stop smoothly and safely should the need arise.



Safety

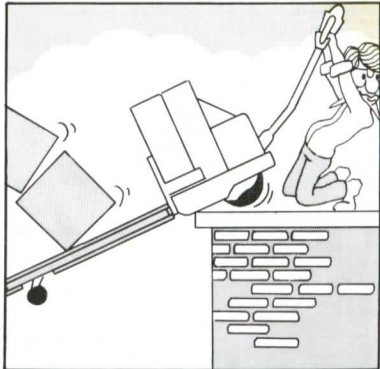


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13. Be careful of drive end swing when turning while operating the truck in reverse.

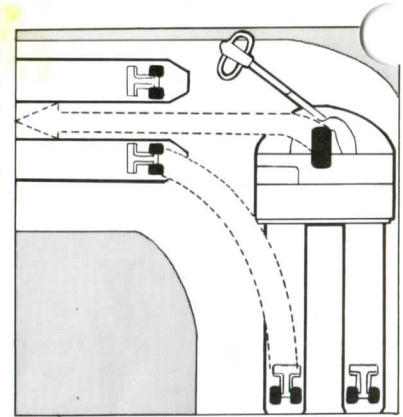
Carelessness may result in damage to material or equipment in your operating area and/or to the drive end of your truck.

14690



15. Be extremely cautious when operating a "walkie" type truck near the edge of a loading dock or ramp.

14. Use caution when making right or left turn into aisle. Remember that load wheels do not follow the turn path of the drive wheel. They tend to "cut" the corner.

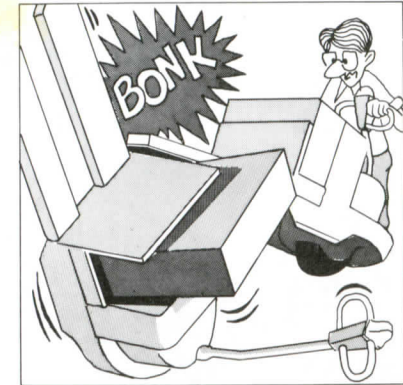


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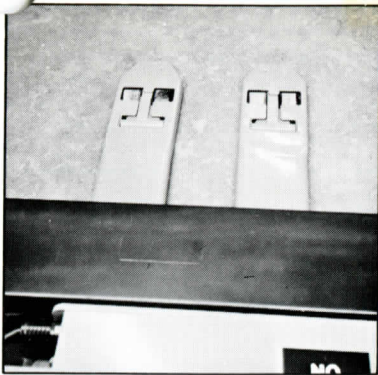
14691

16. Never use your truck to push or tow another. Never allow your truck to be pushed or towed by another.

Should a truck become disabled and require moving notify the proper authority immediately.



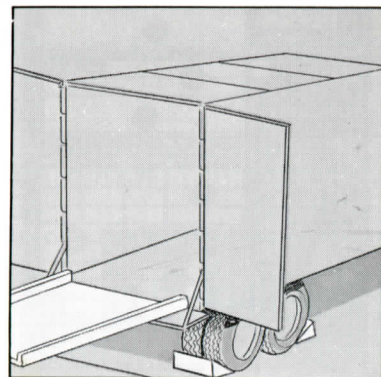
Safety



13871

17. Be aware of the position of your fork tips at all times when truck is in motion when reverse. Be alert to avoid striking anything with the fork tips.

18. Make certain that vehicle being entered has been adequately blocked to prevent accidental roll. Bridge plates must have adequate strength, width, guard rails each side (minimum 3" high recommended) and be properly secured.



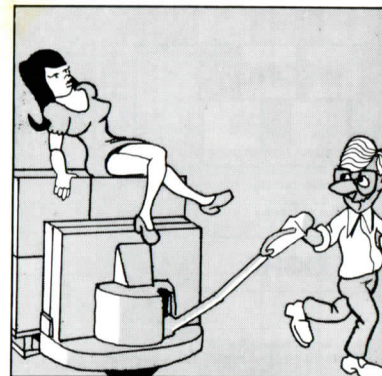
13146

14692



19. Trucks of this type are designed to be controlled by a walking operator. Never ride a truck of this type or indulge in horseplay while operating these trucks.

20. Never carry unauthorized personnel.



14693

Safety

CLARK EQUIPMENT

INDUSTRIAL TRUCK DIVISION BATTLE CREEK MICH

MODEL NO. TYPE

SERIAL NO.

ATTACHMENTS

LOAD C, G, C

FLOOR A B

APPROX. WT. ALL TRUCKS

APPROX. WT. ELECTRICS ONLY

BATTERY WT.

BATTERY CAPACITY

CAPACITY WITH ATTACH. LISTED ABOVE OR WITH FORKS - UPRIGHTS VERTICAL

LBS	A	B	C
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

LESS BATT - ELECTRICS

WITH MAX. BATT. WT.

MAX	MIN
<input type="text"/>	<input type="text"/>

AH	NO.
<input type="text"/>	<input type="text"/>

LBS VOLTS

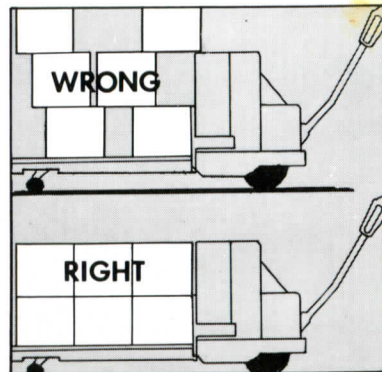
FOR OTHER CAPACITIES CONSULT MANUFACTURER

AS RELEASED FROM FACTORY THIS TRUCK MEETS THE DESIGN SPECIFICATIONS ESTABLISHED IN AMERICAN NATIONAL STANDARD FOR POWERED INDUSTRIAL TRUCKS, PART II, ANSI B 56.1-1969

PT. NO. 2315709

13095

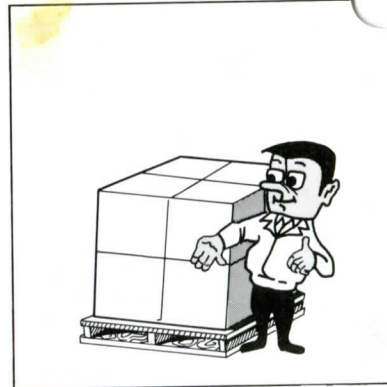
14694



21. Know the rated capacity of your truck and its attachment (if any) and never exceed it.

Study your truck data-capacity plate and learn the facts stamped in areas 1 through 8.

22. Thoroughly inspect load to be moved for overload and/or poor balance. If the safety of the load is questionable... Don't Move It.



13094

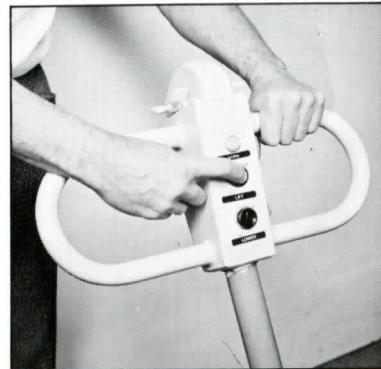
13872

23. Unstable loads are a hazard to you and to your fellow workers. Always make sure that your load is well stacked and evenly positioned across both forks.

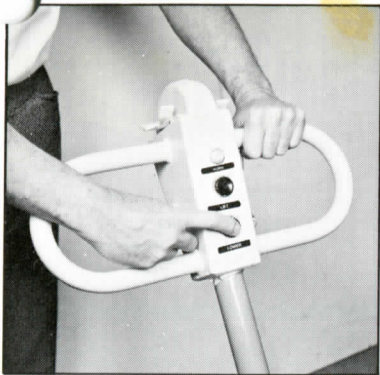
Never attempt to lift a load with only one fork.

24. Check to insure that you have adequate unobstructed clearance before attempting lift.

Press firmly on "lift" button and hold until load reaches full elevation. Release button to stop load lift at that level.



Safety



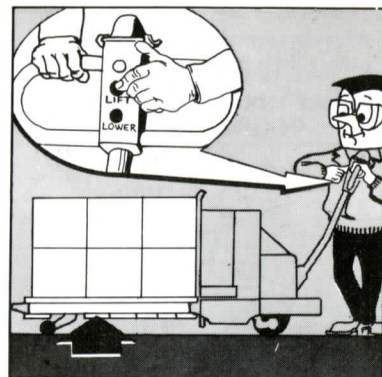
13873

25. Load may be lowered by firmly pressing "lower" button and holding until load has descended to floor level.

Hold "lower" button for additional 1 to 2 seconds, to complete lowering cycle, before exiting from pallet.

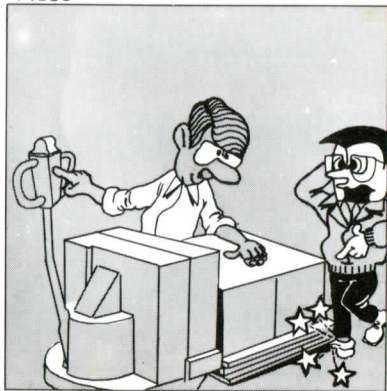
26. Always travel with load forks in full "up" position.

Never raise or lower load forks while truck is in motion.



14695

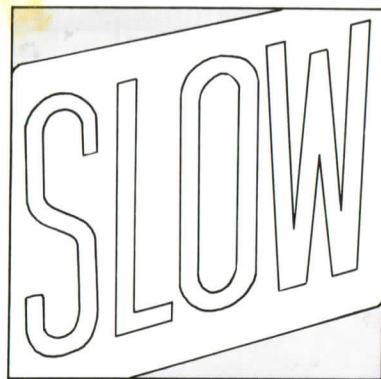
14696



27. Never permit anyone to stand in area where load is to be deposited. Make certain that area of load deposit is clear and uncluttered.

28. Slow down for turns, ramps, bumps, cross aisles, congested areas, wet or slippery floors and at all times when visibility is restricted.

13103



Safety

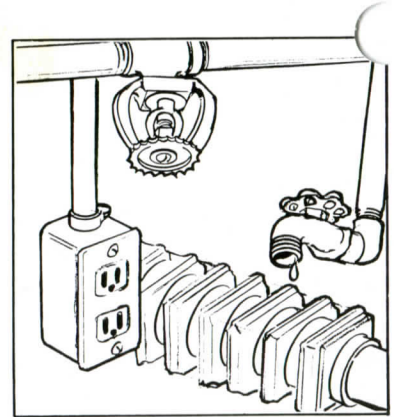


14681

29. Know and observe floor load limits in all operating areas.

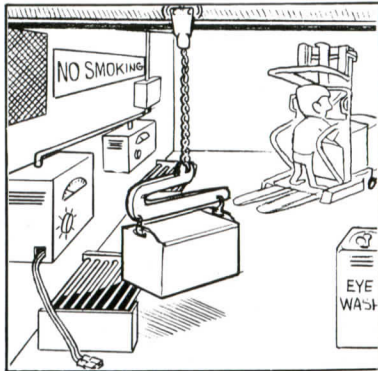
Never enter an elevator, a boxcar, a semi-trailer or any other area until you have determined that the flooring is adequate to support you, your truck and its load.

30. Use caution when picking up loads, placing loads or traveling near water pipes, electrical wiring, steam pipes, heaters or other fragile or dangerous material or equipment.



13104

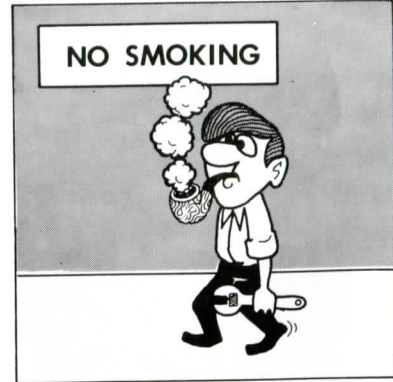
13105



31. Batteries should be serviced or recharged only in designated charging areas and only by personnel thoroughly trained in safe battery servicing practices.

32. Never smoke or allow anyone to smoke in areas where batteries are being charged or in areas where fuel or other flammable fluids or materials are stored or used.

13107

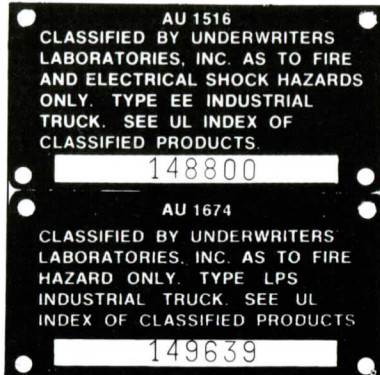


Safety



14682

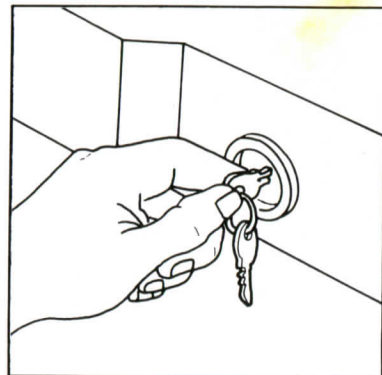
13178



Code: OI-342 Apr 74

33. Park "walkie" type Pallet Trucks in designated areas only. Fully lower pallet forks to floor, make certain that control handle is in "full-up" position to apply brakes, remove key and block drive wheel to prevent accidental roll.

34. If "walkie" type truck is to be left unattended, for any reason, make certain that it does not obstruct traffic aisles and leave truck as described in Item 33.

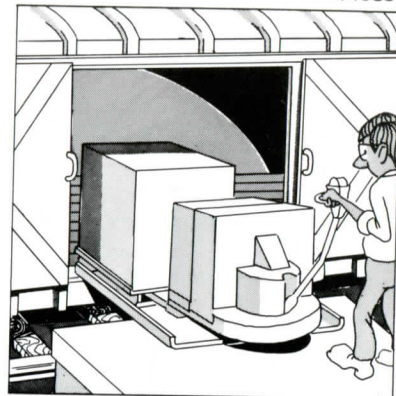


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14683

35. Know the type construction of your truck and make sure that it can be in any area before entering.

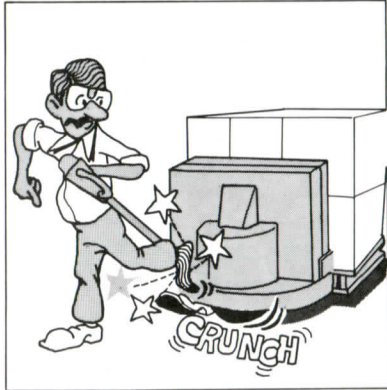
36. Confined areas such as elevators, semi-trailers, trucks or box-cars must be entered in reverse (trail frame first) to minimize maneuvering necessary to exit.



Page 11

Safety

37. Remember to keep your feet well back from the front skirt when maneuvering a "walkie" type truck.



14684

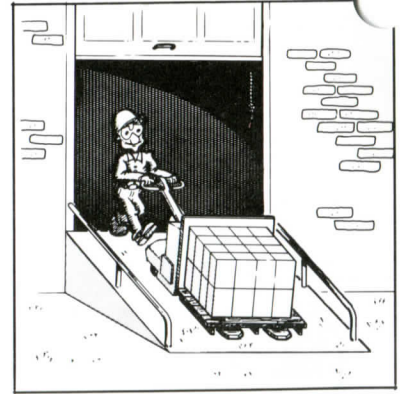
39. Follow a scheduled planned maintenance and lubrication program.

All adjustments and repairs must be performed by thoroughly trained and authorized personnel.



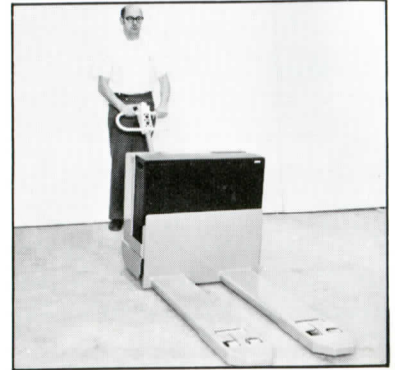
13533

38. When moving up or down a grade, the forks should be kept down-grade with or without a load on the truck.



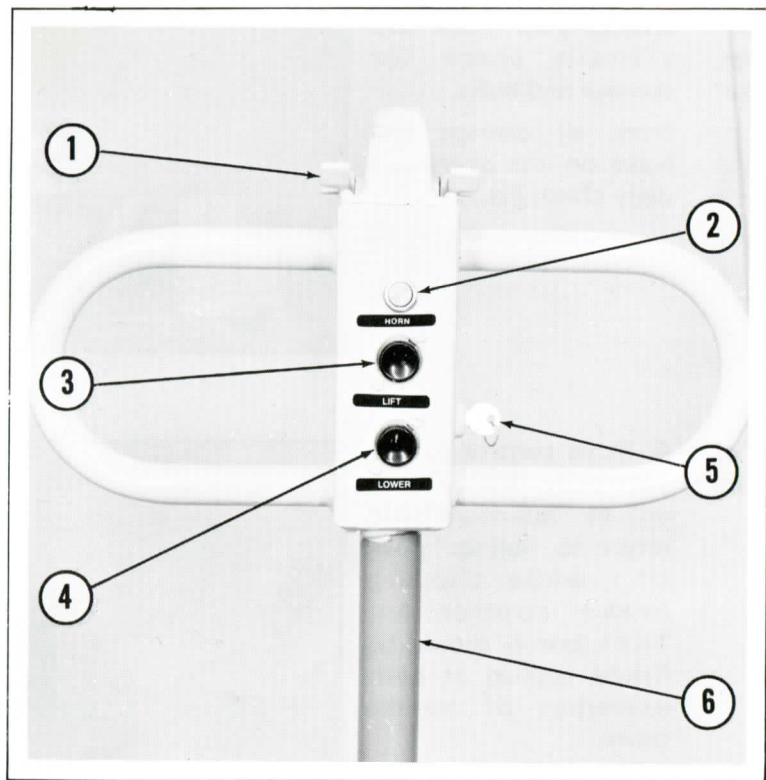
21499

40. Remember – your safety and the safety of others depends on you. Keep your mind on operating your truck.



13869

Operator Controls



14661

1. Forward-Reverse and Speed Control.
2. Horn Button.
3. "Lift" Control Button.
4. "Lower" Control Button.
5. Key Switch.
6. Steering Control Handle and Brake.

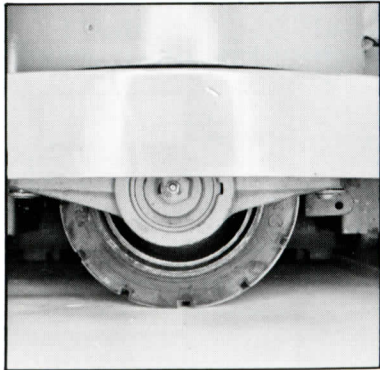
Before Operation

1. Each shift operator must complete an operator's daily check list (available from your Clark Dealer).

CLARK ELECTRIC TRUCK DRIVER'S DAILY CHECKLIST	
Check Before Start Of Each Shift	
Truck No. _____	Date _____
Operator _____	Supervisor's OK _____
Hour Meter Reading:	
Start of Day _____	End of Day _____ Hrs. for Day _____
<input checked="" type="checkbox"/> Boxes Accordingly <input type="checkbox"/> OK <input type="checkbox"/> Needs Attention or Repair	
Visual Checks:	Operational Checks:
<input type="checkbox"/> Obvious damage and leaks	<input type="checkbox"/> Horn
<input type="checkbox"/> Tire condition	<input type="checkbox"/> Steering
<input type="checkbox"/> Battery plug connection	<input type="checkbox"/> Service brakes
Note: Be sure the battery plug connection is tight.	<input type="checkbox"/> Battery Load Test
<input type="checkbox"/> Head and tail lights	Note: Watch battery indicator while holding lift lever on full back tilt. If needle falls to red area, battery doesn't have sufficient charge to operate truck properly.
<input type="checkbox"/> Warning lights	<input type="checkbox"/> Parking brake
<input type="checkbox"/> Hour meter	<input type="checkbox"/> Seat brake
<input type="checkbox"/> Other gauges and instruments	<input type="checkbox"/> Hydraulic controls
<input type="checkbox"/> Battery Discharge indicator	
Note: Key on, needle should indicate in green area.	

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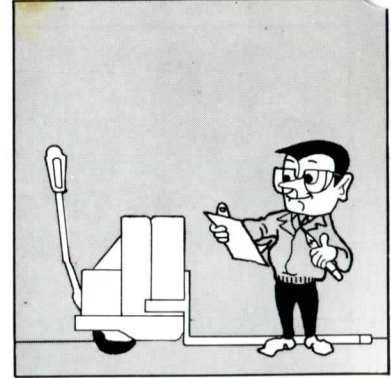
13874



3. Check condition of drive wheel and tire assembly.

2. Walk completely around your truck and visually check for damage and leaks.

Note all damage and leaks on the operator's daily check list.



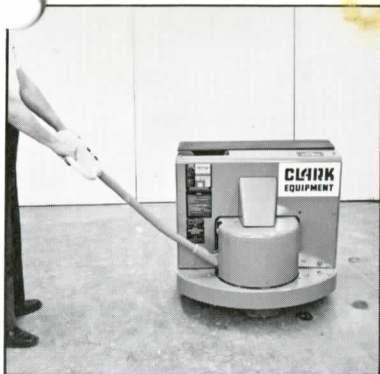
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4. Move control handle vertically from "full-up" to "full-down" and return to "full-up" position while checking brake application. Truck brakes should be firmly applied at both extremes of handle travel.



Before Operation

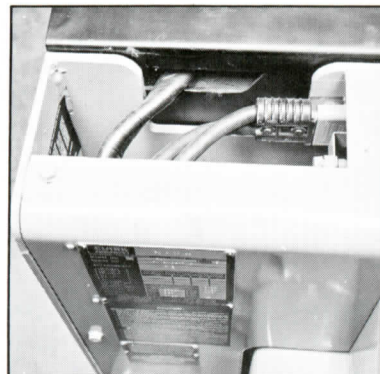


13876

5. Lower control handle to comfortable operating position and check steering by swinging handle through full 180° arc from right to left. Handle should move smoothly without noticeable binding.

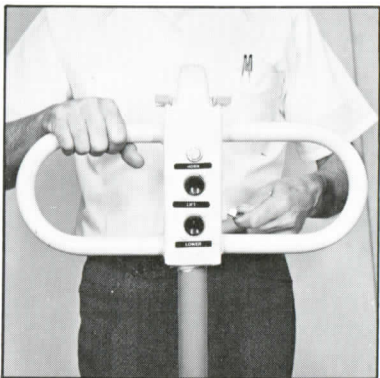
6. Visually check battery connector to make sure that battery has been properly connected.

Note condition of electrical cables and wiring and report all worn, frayed or cracked cables to proper authority.



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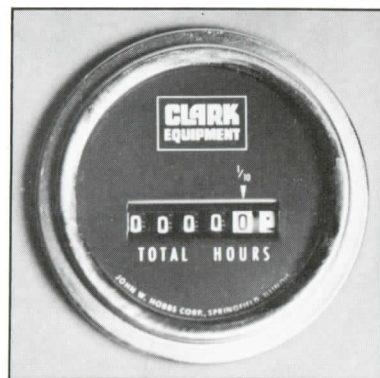
7. Insert key into switch and turn clockwise to "on" position.

(Note that some of these truck models are optionally built without a key switch. If your truck has no key switch proceed to Step 9.)

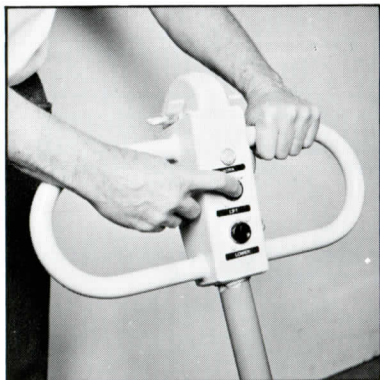
8. If your truck has been optionally equipped with an hour meter check to make certain that it is undamaged and functioning properly.

Note any hour meter damage or malfunction on the check list.

13225



Before Operation

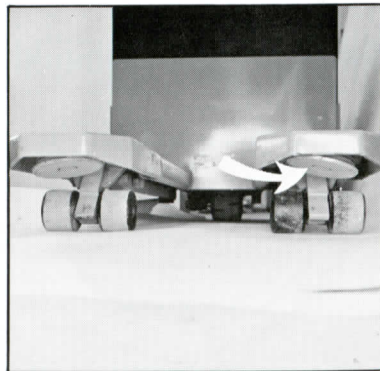


9. Check to insure that pallet forks are unobstructed then firmly press "lift" button and hold until forks have elevated to maximum height.

Release "lift" button to stop fork elevation at desired height.

13872

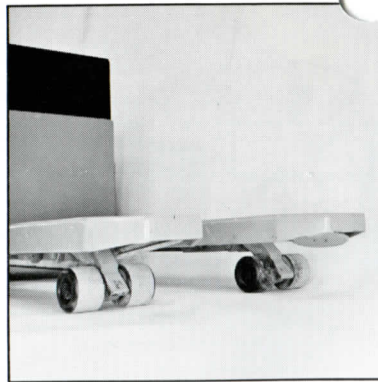
13880



11. P-40 and P-60 models will be equipped with pallet entry discs (arrow) and exit rollers (located behind the load wheels).

Check the condition of these units and note the condition on your check list.

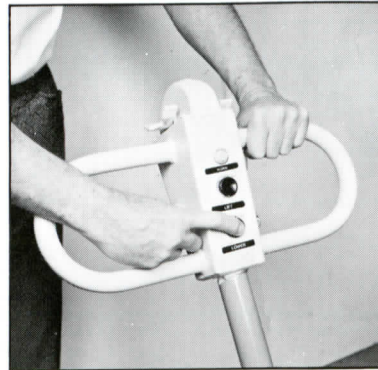
10. Release control handle in "full-up" position (to apply brakes) then walk to pallet fork end of truck and check condition of load wheels.



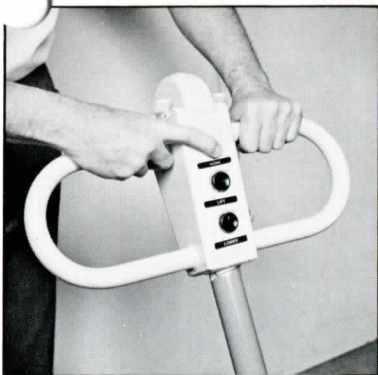
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12. Return to control handle of truck and press "lower" button to lower pallet forks to position near the floor. Release "lower" button to halt descent of forks at desired level.



Before Operation

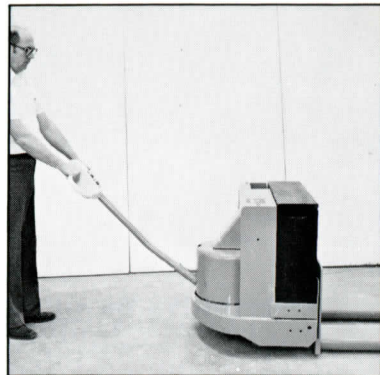


13881

13. Press horn button (mounted on top of control handle head) to determine if horn is operational.

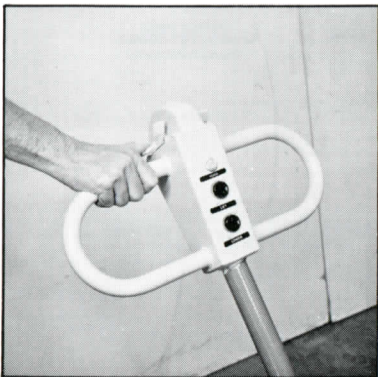
If horn does not function properly, note it on operator's daily check list.

14. Pull control handle down to comfortable operating level and swing into position in line with the desired path of forward or reverse travel.



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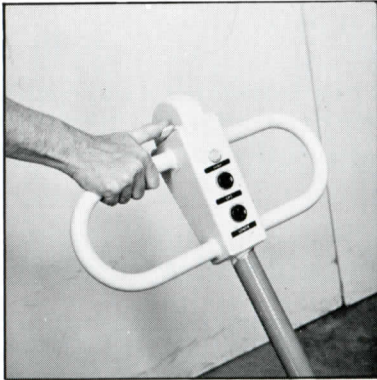
15. Place thumb of right (or left) hand on lower "wing" of directional control switch and press gently. Truck will move forward (toward you) slowly. Travel speed may be increased by further pressing the switch "wing".

16. Release thumb pressure on lower directional control "wing" and raise handle to apply truck brake and stop forward travel. Note any unusual or faulty operation on check list.



13884

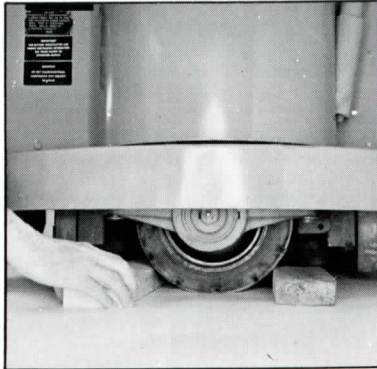
Before Operation



13885

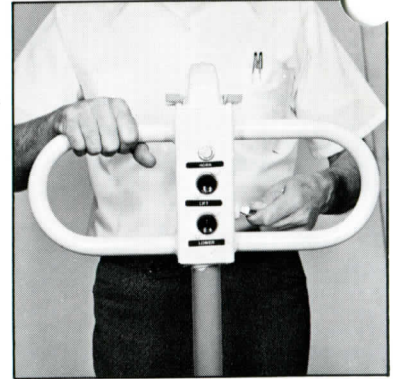
17. Lower handle to comfortable operating level and place thumb of right (or left) hand on upper "wing" of directional control switch. Press switch "wing" gently and truck will move in reverse (away from you).

13886



19. Remove key from switch, turn handle to full turn position. (Block drive tire if truck is to be left on an incline) and —

18. Release thumb pressure on upper directional control switch "wing" and raise handle to apply truck brake. Lower pallet forks to floor and turn switch key counterclockwise to "off" position.



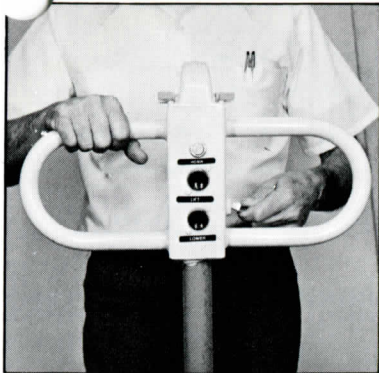
13878

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20. — Review operator's daily check list to make certain that it has been properly marked, sign it and turn it in to the proper authority.

CLARK ELECTRIC		ELECTRIC TRUCK DRIVER'S DAILY CHECKLIST	
Check Before Start Of Each Shift			
Truck No. _____		Date _____	
Operator _____		Supervisor's OK _____	
Hour Meter Reading: _____ End of Day _____ Hrs. for Day _____			
Start of Day _____			
<input checked="" type="checkbox"/> Boxes Accordingly <input type="checkbox"/> OK <input type="checkbox"/> Needs Attention or Repair			
Visual Checks:	Operational Checks:		
<input type="checkbox"/> Obvious damage and leaks	<input type="checkbox"/> Horn	<input type="checkbox"/> Steering	
<input type="checkbox"/> Tire condition	<input type="checkbox"/> Service brakes	<input type="checkbox"/> Battery Load Test	
<input type="checkbox"/> Battery plug connection <i>Note: Be sure the battery plug connection is tight.</i>	<input type="checkbox"/> Head and tail lights	<input type="checkbox"/> Hour meter	<i>Note: Watch battery indicator while loading (it leaves on full back tilt. If needle falls to red area, battery doesn't have sufficient charge to operate truck properly.)</i>
<input type="checkbox"/> Warning lights	<input type="checkbox"/> Other gauges and instruments	<input type="checkbox"/> Parking brake	
<input type="checkbox"/> Hour meter	<input type="checkbox"/> Battery Discharge Indicator <i>Note: Key on, needle should indicate in green area.</i>	<input type="checkbox"/> Seat brake	
		<input type="checkbox"/> Hydraulic controls	

Operation

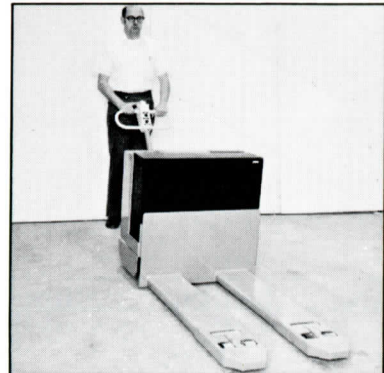


13878

1. Remove blocks from drive wheel and swing control handle from full turn position to center of truck.

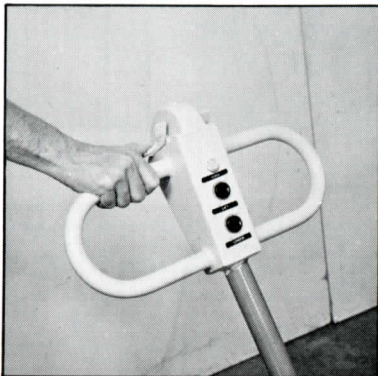
If your truck is equipped with a key switch — insert key and turn clockwise to “on” position.

2. Lower control handle to comfortable operating level and check to be certain that desired path of travel is unobstructed.



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3. Place thumb of right (or left) hand on directional control switch “wing” for desired direction of travel. Upper “wing” for reverse (away from you) or lower “wing” for forward (toward you).

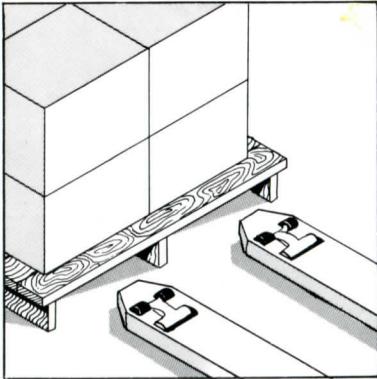
Carefully depress selected switch “wing” until truck moves at desired speed.

4. To stop truck release directional control switch “wing” (allowing switch to return to neutral) and raise control handle to near vertical position. (This will activate switch cutting power to drive motor and apply brakes).

13884



Operation

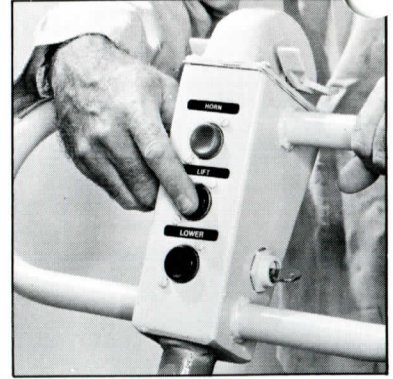


14680

5. Center load on pallet forks as you approach it. A well centered load will insure best obtainable balance and stability. Always enter load as far as possible.

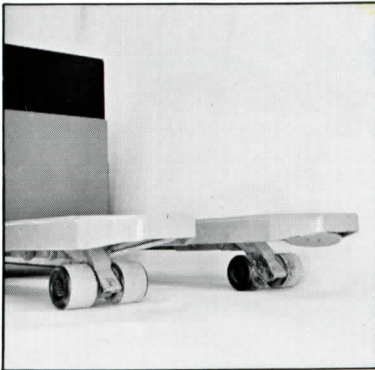
6. Before lifting the load make certain that the lifting area is unobstructed.

Then — press “lift” button and hold until load reaches “full-up” position.



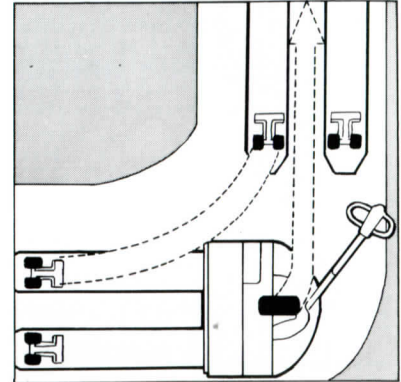
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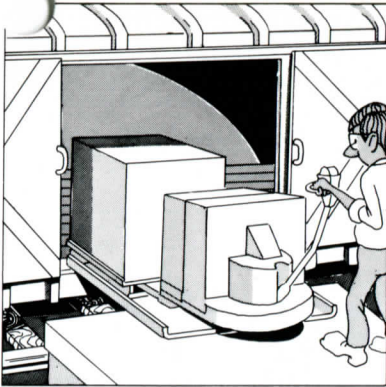
7. Remember to travel with load elevated fully to provide clearance necessary to prevent pallet contact with floor and its irregularities (if any).

8. Use caution when making right or left turn into aisle. Remember that trail wheels do not follow the turn path of the drive wheel. They will tend to “cut” the corner.



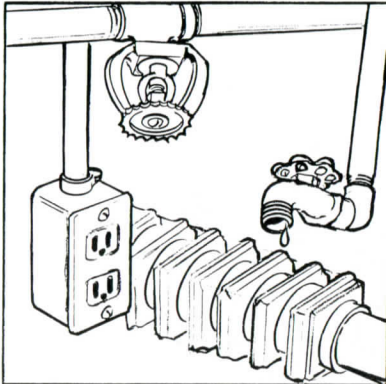
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Operation



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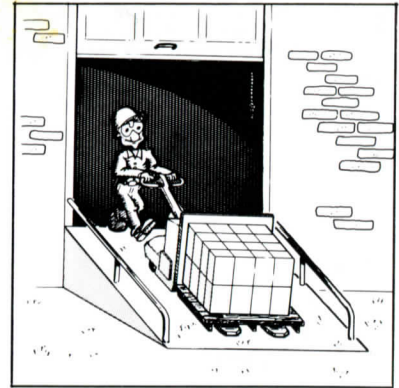
13104



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9. Remember that confined areas such as elevators, semi-trailers, trucks or boxcars should be entered with pallet forks first to minimize maneuvering necessary to exit.

10. When moving up or down a grade, the forks should be kept down-grade with or without a load on the truck.



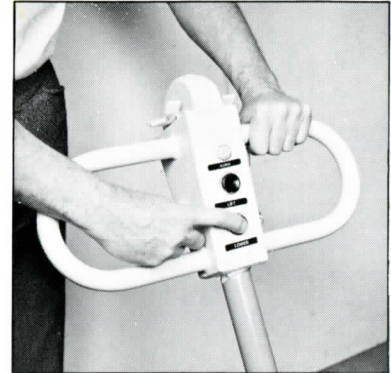
21499

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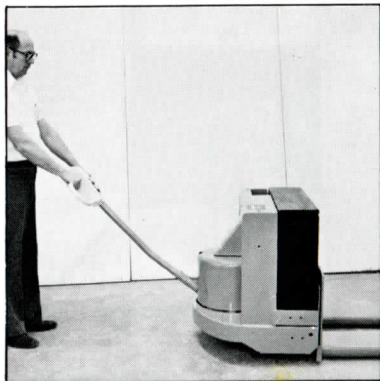
11. Always approach load deposit areas squarely and cautiously. Be especially careful when placing loads near water pipes, electrical wiring or outlets, steam pipes, heaters and other fragile or dangerous equipment or material.

12. When load to be deposited is positioned as desired, press "lower" button and hold until pallet forks are lowered as far as possible.

Hold "lower" button for additional 1 to 2 seconds, to complete lowering cycle, before exiting from pallet.



Operation

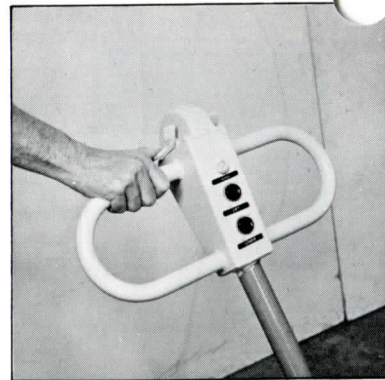


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13. Pull control handle down to comfortable operating level.

14. Place thumb of right (or left) hand on lower "wing" of directional control switch and press gently.

Truck will move forward (toward you) withdrawing the truck forks from the pallet.



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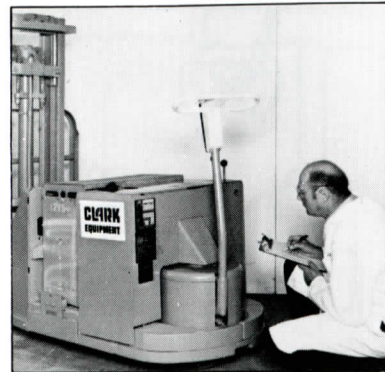
13870



15. Be constantly alert for pedestrians, other trucks or obstructions in your path of travel.

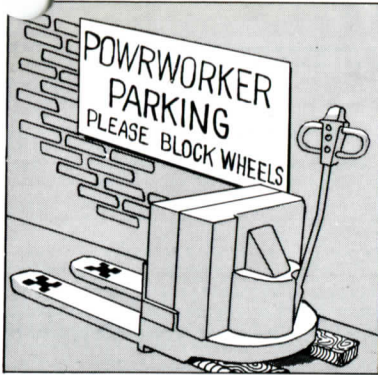
16. Be alert for unusual or erratic truck operation.

Report any malfunction immediately so that required adjustments or repairs may be performed by thoroughly trained and qualified personnel.



13533

Parking



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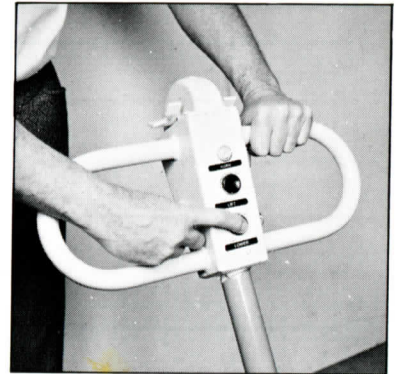


Code: OI-342 Apr 74

1. Park "walkie" type trucks in designated parking areas only.

Do not obstruct traffic lanes or aisles.

2. Lower pallet forks to floor or as near to the floor as possible.

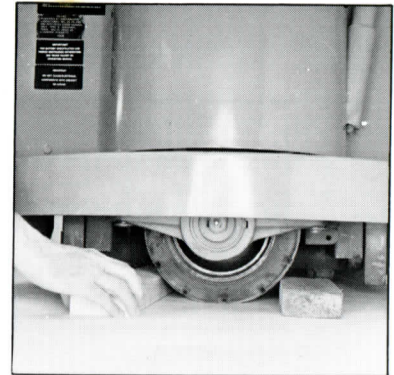


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3. Place control handle in full turn position and raise the handle to "full-up" position so that truck brake is applied.

4. Block drive wheel to prevent accidental roll. Remove key from switch and turn it in to the proper authority.



Notes



For Handy Reference

RECORD THE FOLLOWING INFORMATION PERTAINING TO YOUR TRUCK.

Model No.

Serial No.

Attachments

Truck Weight W/Battery

Truck Rated Capacity

Gross Truck Weight (W/Battery and Rated Load)

Customer Truck Identification No.



Additional copies of this manual may be purchased from:
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Division

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