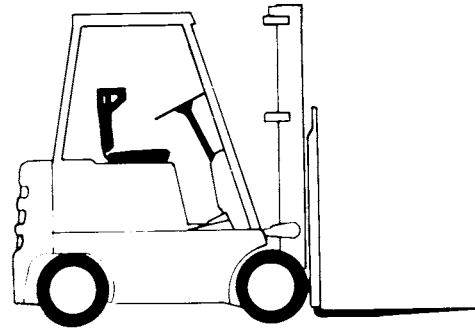

Operator's Instruction Manual



C300 40 thru 50

CLARK

Book No. 2385907
OI-345, 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.

The following warnings are provided pursuant to California Health & Safety Code Sections 25249.5 et. seq:

IMPORTANT

Do not expose this manual to hot water or steam.

 **WARNING****California Proposition 65**

This product contains and emits chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

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 truck unless you have been trained in lift truck repair procedures and authorized by your employer.

MANUALES DE INSTRUCCION 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.

TABLE OF CONTENTS

Operator's Warning	Page i
Foreword	Page ii
Drive Safely	Page iv
Summary of Safe Operating Practices	Page 1
Major Component Identification	Page 2
Safe Operating Rules and Practices	Pages 3 thru 14
Operator's Compartment and Controls	Page 15
Operator's "Before Operation" Checks	Page 16 thru 29
Operating Hints	Pages 30 thru 33
Fuel and Engine Oil Recommendations	Page 33
Parking Procedures	Page 34 thru 35
Truck Tip-Over	Pages 36 thru 37
Jump Starting Procedures	Pages 38 thru 40
Handy Reference Data	Page 41

DRIVE SAFELY

BEFORE YOU OPERATE THIS INDUSTRIAL TRUCK, READ AND UNDERSTAND THE INSTRUCTIONS, SIGNS AND MESSAGES IN THIS MANUAL AND ON THE 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 manuals 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, Lift and Tilt Systems including forks and attachments, chains, cable and limit switches, brakes, steering mechanism, fuel system, and guards.

3. Operate truck only from designated operating position. Never place any part of your body into the mast structure, between the mast and the truck, or outside the truck. Do not carry passengers.

4. Do not operate truck without overhead guard, unless conditions prevent use of a guard. Use special care if operation without overhead guard is required.

5. Do not handle loads which are higher than the load backrest or load backrest extension unless load is secured so that no part of it could fall backward.

6. 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.

7. Do not overload truck. Check capacity plate for load weight and load center information.

8. 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. Use special care when traveling without load as the risk of overturn is greater.

9. Elevate forks or other lifting mechanism only to pick up or stack a load. Lift and lower with mast vertical or tilted slightly back — **NEVER FORWARD**. Watch out for obstructions, especially overhead.

10. Operate tilting mechanism slowly and smoothly. Do not tilt forward when elevated except to pick up or deposit a load. When stacking, use only enough backward tilt to stabilize load.

11. Travel with load or lifting mechanism as low as possible and tilted back. Always look in direction of travel. Keep a clear view and when load interferes with visibility, travel

with load or lifting mechanism trailing (except when climbing ramps).

12. Use special care when operating on ramps — travel slowly, and do not angle or turn. When truck is loaded, travel with load uphill. When truck is empty, travel with lifting mechanism downhill.

13. Observe applicable traffic regulations. Yield right-of-way to pedestrians. Slow down and sound horn at cross aisles and wherever vision is obstructed.

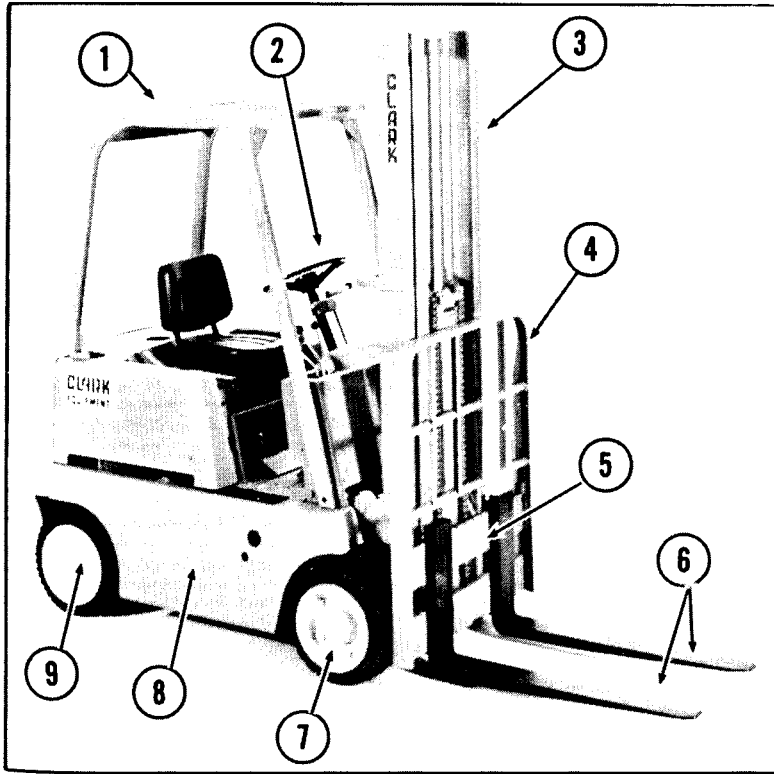
14. When using forks, space forks as far apart as load will permit. Before lifting, be sure load is centered and forks are completely under load.

15. Do not allow anyone to stand or pass under load or lifting mechanism.

16. Do not lift personnel on the forks or on a work platform. Use a manlift specifically designed for this purpose. When operating rider order selector trucks, attach the safety chain to the overhead guard and put the safety belt on.

17. Before getting off truck, neutralize travel control, fully lower lifting mechanism and set parking brake. When leaving truck unattended, also shut off power.

Know Your Truck



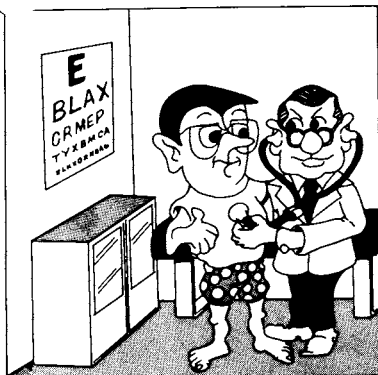
1. Driver's Overhead Guard.
2. Operator's Compartment and Controls.
3. Upright Assembly.
4. Load Backrest Extension.
5. Fork Carriage.
6. Load Forks.
7. Drive Wheel and Axle.
8. Machine Serial Location.
9. Steer Wheel and Axle.

14979

CLARK C300 MODELS

4000 Lbs. and 5000 Lbs. Rated Capacity
At 24" Load Center

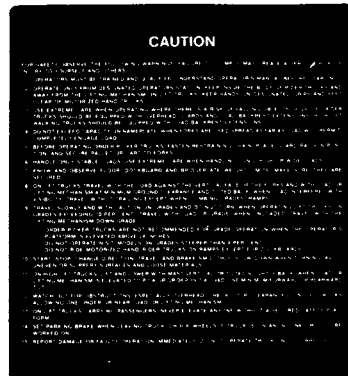
Safety



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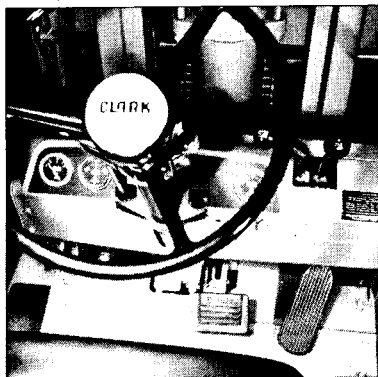
1. Only physically qualified and thoroughly trained personnel should be authorized to operate the Clark C300 model lift trucks.

2. Prominently placed on every Clark truck is a list of basic rules for operation. These rules are for the protection of you and others in your operating area. Be familiar with them.



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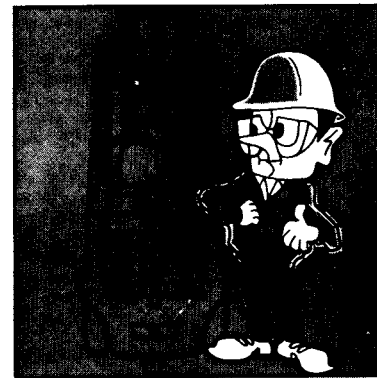
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3. Learn how your truck is operated. Know its safety devices, how they function and how the special attachments, if any, work.

4. The wearing of "hard hat", safety glasses and safety shoes is recommended.

Dress suitably and avoid loose fitting clothing.



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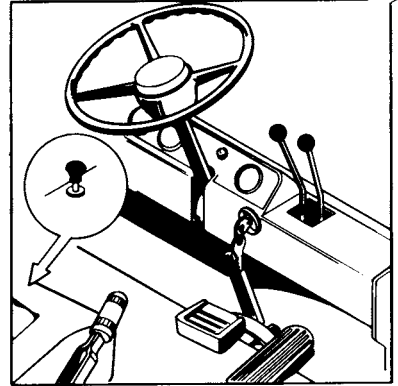
Safety



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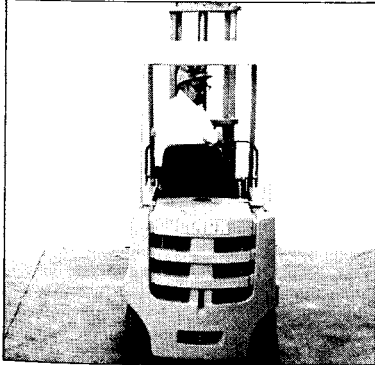
5. Never operate a lift truck with wet or greasy hands or shoes.

6. Before operating any lift truck, test the horn, service brakes, hand brake, steering, lift-tilt controls, directional controls and any special devices for proper operation. Report any improper operation to the proper authority.



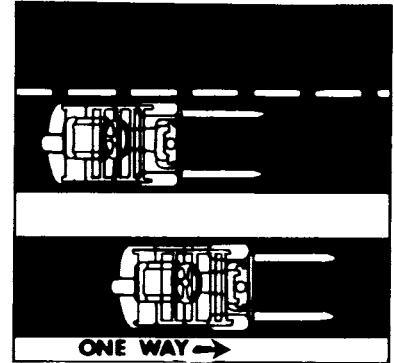
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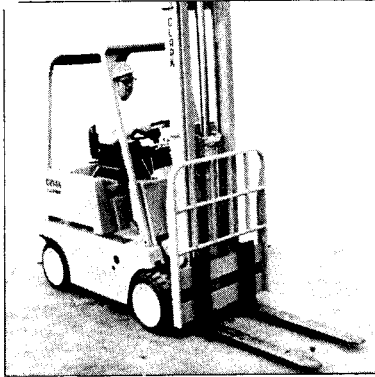
7. Always look all around the truck before moving it in any direction. Then remember to start and stop slowly and smoothly.

8. Operate the truck only in designated truck routes and keep operating aisles clear. One-way traffic is recommended. If this is not practical in your operation heed highway regulations and drive to right of aisle centerline.



13139

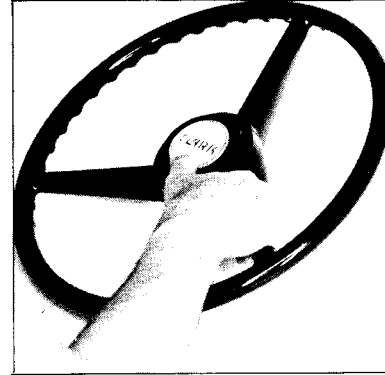
Safety



14982

9. Be alert for pedestrians, other trucks or obstacles in your path of travel.

10. Sound horn at all corners, exits, entrances and when approaching pedestrians or bystanders.



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11. Obey all posted traffic rules and warning signs.

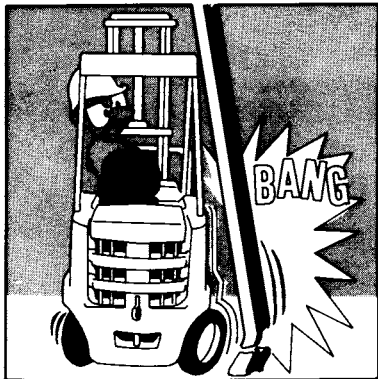
12. Maintain a safe distance from the truck ahead of you at all times.

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

15004



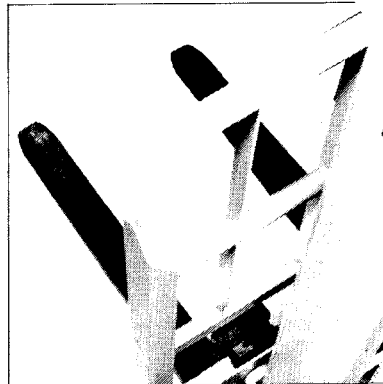
Safety



15005

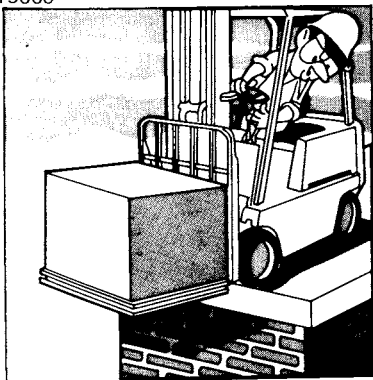
13. Be aware of rear end swing and be alert to prevent rear end swing damage to material in your operating area.

14. Be aware of the position of your fork tips when the truck is in motion. Be alert to prevent striking anything with fork tips.



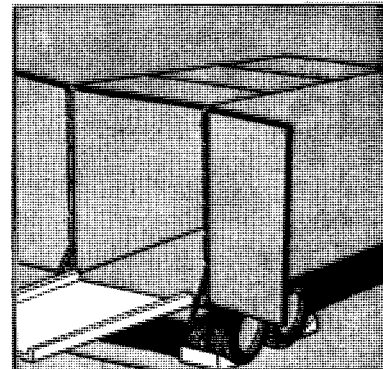
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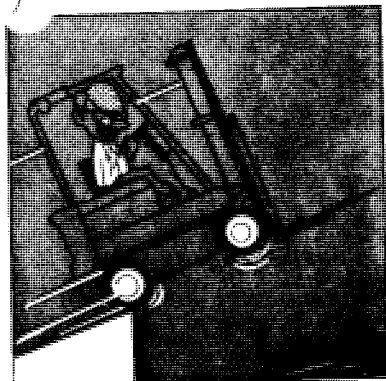
15. Be extremely cautious when operating truck near edge of loading dock.

16. Make sure vehicle being entered has been 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

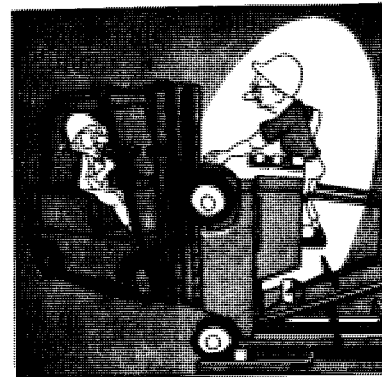
Safety



13624

17. Never allow stunt riding or indulge in horseplay while operating a fork lift truck.

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



15007

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

15008

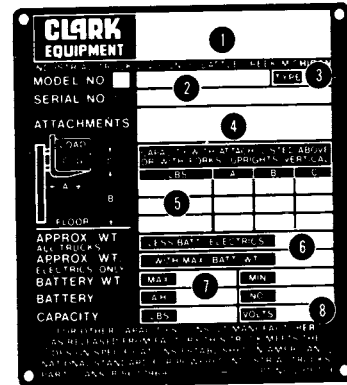


19. Never carry unauthorized passengers. The quick response of a lift truck may cause riders to fall off. Besides, they distract you and this is dangerous.

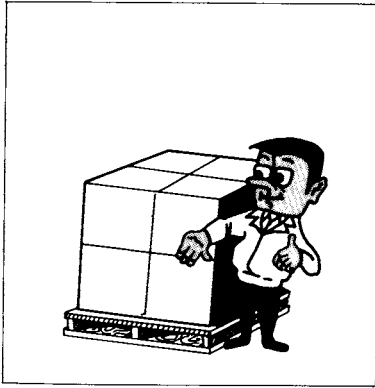
20. Know the capacity of your truck and its attachment (if any) and never exceed it. Study your truck data capacity plate and learn the facts stamped in areas 1 through 8

Pay particular attention to area 3 and refer to item 46 on page 14.

13095



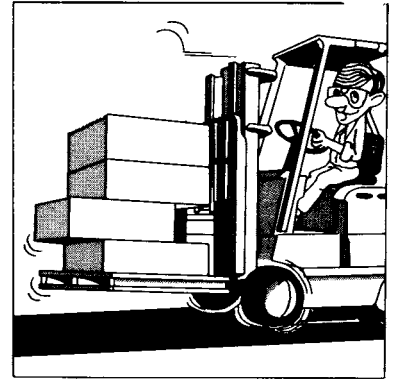
Safety



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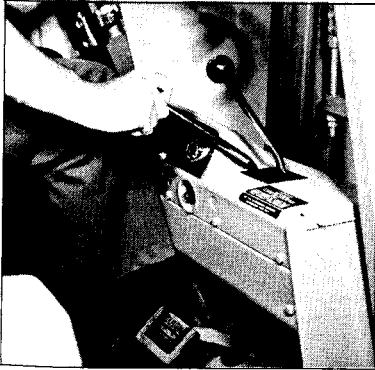
21. Thoroughly inspect all loads to be moved for overload and/or poor balance. If the stability of a load is questionable, don't move it.

22. Unstable loads are a hazard to you and to your fellow workers. Always make certain that your load is well stacked and evenly positioned across both forks. Never attempt to lift a load with only one fork.



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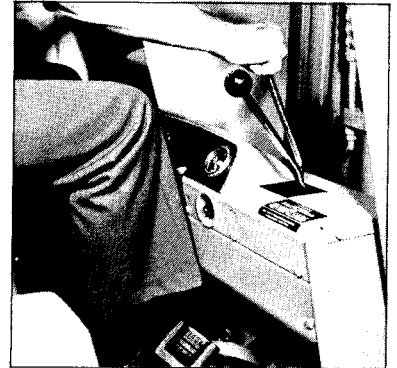
23. Before lifting check to insure adequate unobstructed overhead clearance.

Gradually and smoothly pull back on lift control lever. Return lever to neutral to stop lift at desired level.

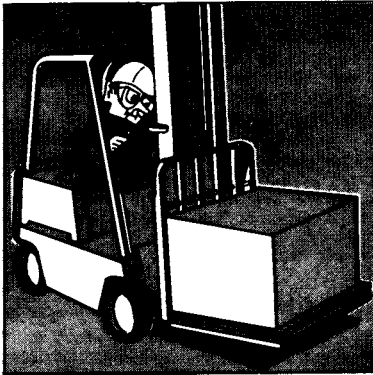
24. Push forward on control lever to lower load.

Descent of load may be stopped at desired level by returning lever to neutral position.

14972



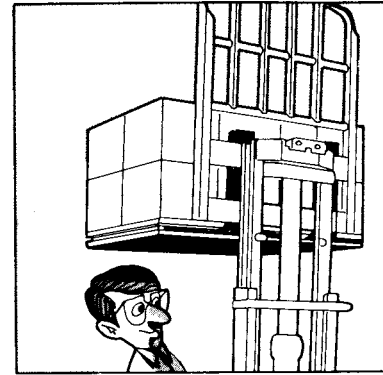
Safety



15009

25. Always travel with load near floor and up-right tilted back to cradle load. Never lift or lower load while truck is in motion.

26. Never permit anyone to stand or walk under elevated forks or other load engaging attachments if machine is so equipped.



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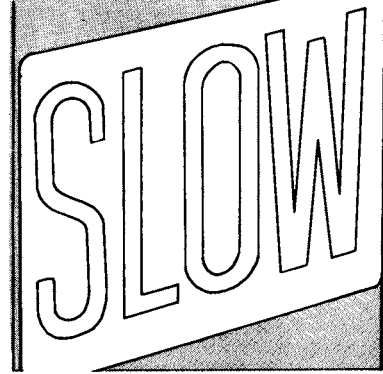
27. Remain seated at all times and keep head, hands, arms, feet and legs within the confines of the operator's compartment.

Never reach into the up-right for any reason.

Never climb on the up-right or use it as a ladder.

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

13103



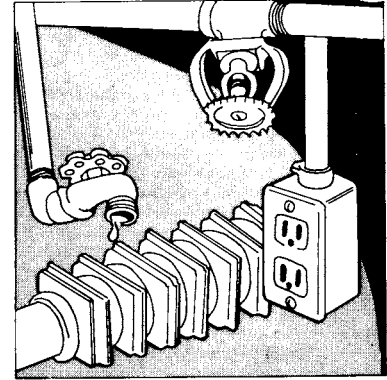
Safety

29. Know and observe floor load limits and overhead clearances in all operating areas. Make certain that floors of boxcars, trucks, trailers and elevators are adequate before entering.

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

31. Lift trucks must be refueled in designated areas only. Engines must be stopped and no smoking regulations strictly enforced. Spilled fuel must be washed away or completely evaporated and the fuel tank cap properly replaced before restarting the engine.

32. Never smoke or allow anyone to smoke in areas where batteries are being charged or in areas where fuels or other flammable fluids or materials are used or stored. Batteries must be charged in designated areas only and must be serviced only by thoroughly trained and qualified personnel.



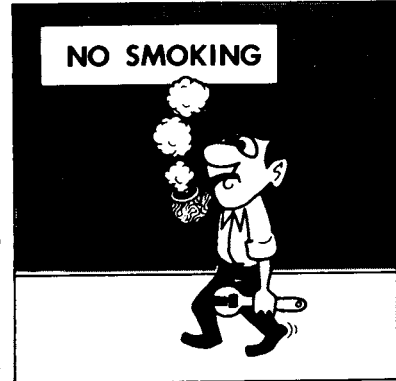
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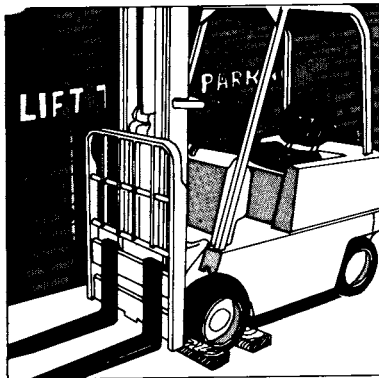


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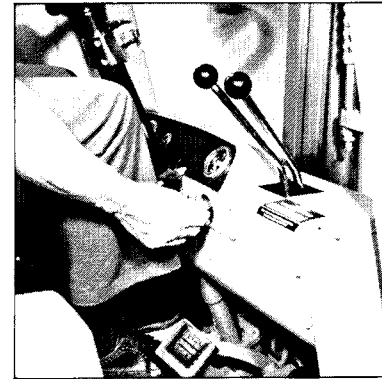
Safety



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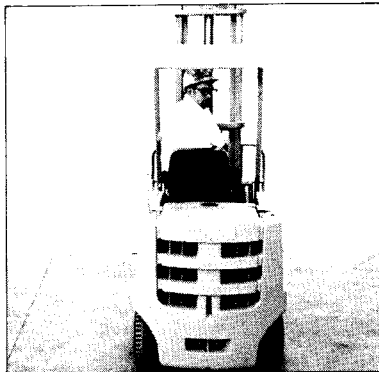
33. Park lift trucks in designated areas only. Lower forks to floor, tilt upright forward, place directional control in neutral, apply parking brake, remove switch key and block drive wheels to prevent accidental roll.

34. If truck is to be left unattended make certain that traffic aisles are unobstructed and leave truck as described in item 33.



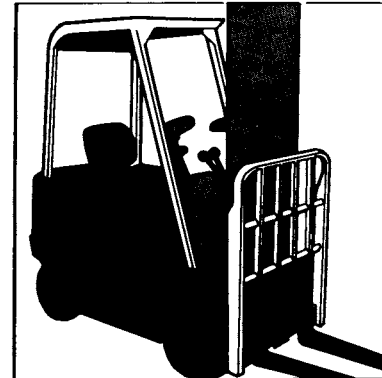
14973

14981



35. When handling bulky loads which, because of their size and shape, restrict your vision — operate your truck in reverse to improve visibility.

36. Overhead guards and load backrest extensions are for your protection. Make certain that they are securely mounted and undamaged before operating your truck.



15010

Safety



17631

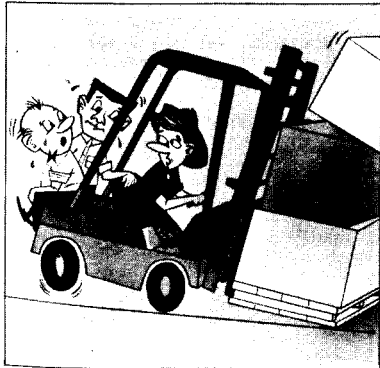
37. Never lift or transport personnel on the forks of a lift truck. Use a manlift specifically designed for this purpose.

38. Don't handle double tiered loads. They're unstable and difficult to control. Even an overhead guard can't fully protect you from heavy objects dropped from these heights.



13853

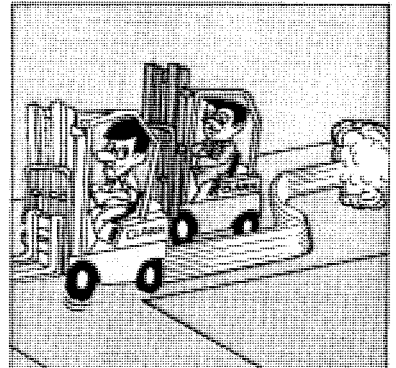
13843



39. Overloading is extremely dangerous. You don't have complete control of your truck and you are causing unnecessary wear.

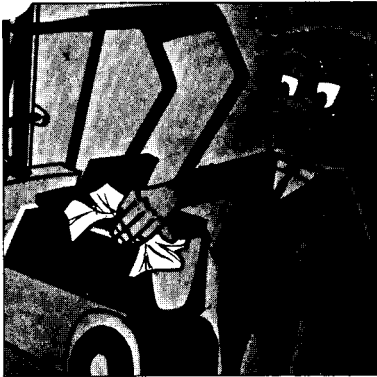
Never add to your counterweight, always break down the load.

40. Don't pass other trucks traveling in the same direction at intersections, blind spots or other dangerous locations.



13864

Safety



13838

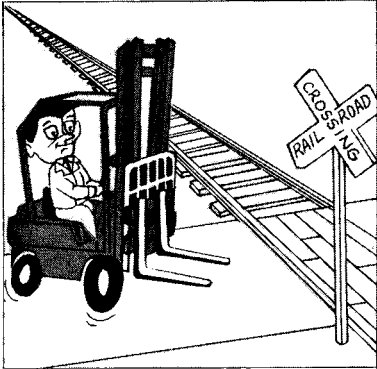
41. Check gauges, horn, upright and controls before you start. Inspect fuel, oil and water levels. Take pride in operating a good, clean truck.

42. Report any faulty truck performance to your supervisor immediately. Don't try to make repairs yourself.



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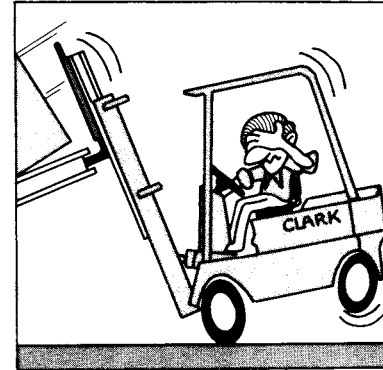
13862



43. Use of truck on public roads shall conform to local regulations. Cross railroad tracks at an angle wherever possible. Do not park closer than eight feet from center of tracks.

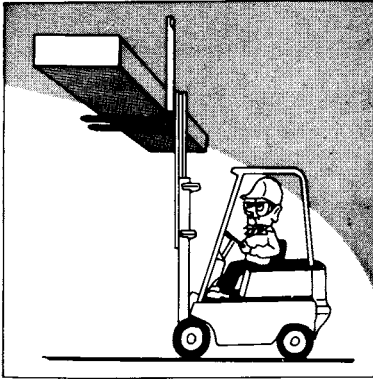
44. Use minimum forward or reverse tilt when stacking and unstacking loads.

Never tilt forward unless load is over stack or at low lift height.



13258

Safety

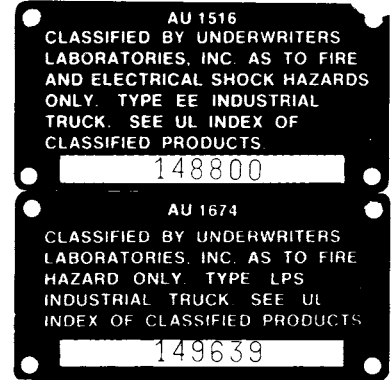


15012

45. Be extremely careful of load end swing when operating with loads of long lumber, pipe, etc.

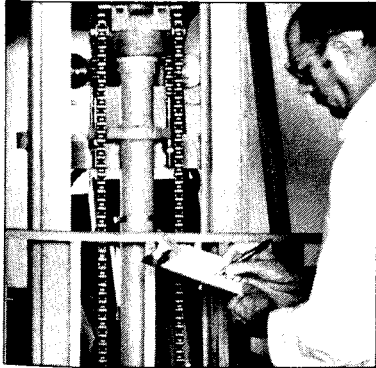
Whenever possible loads should be carried close to floor with upright tilted back to cradle load.

46. Know the construction type of your truck and make certain that trucks of this type may be operated in restricted areas before entering. Never take an unauthorized truck into restricted or hazardous areas. (Refer to item 20 on page 7.)



13178

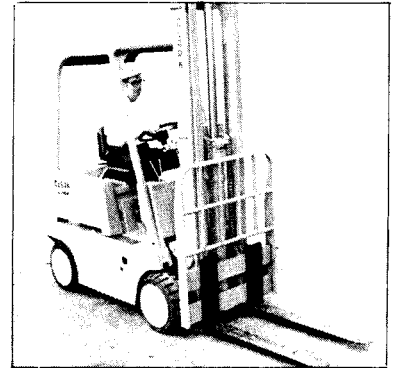
13160



47. Follow a scheduled planned maintenance and lubrication program.

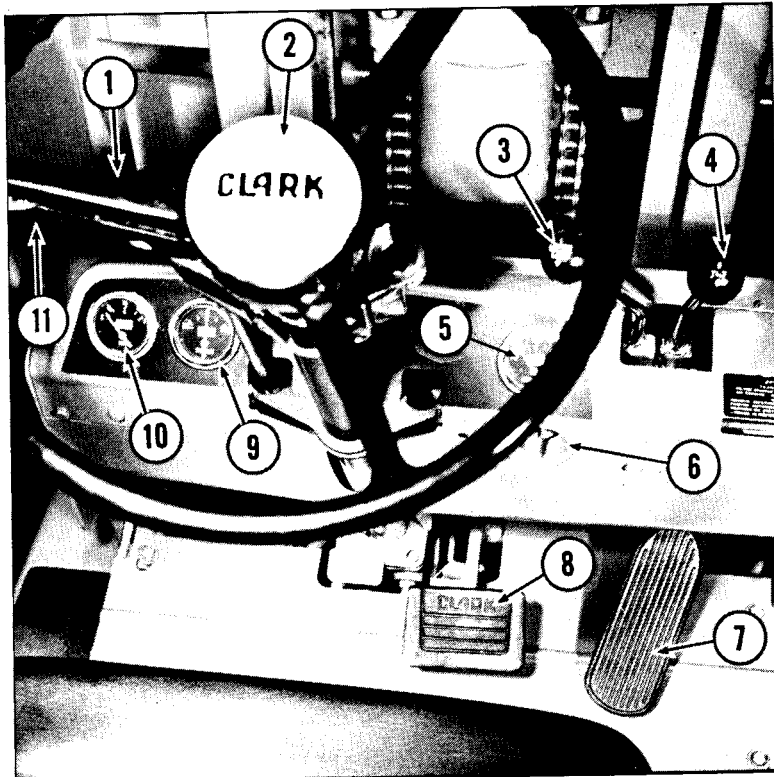
All adjustments and repairs must be performed by thoroughly trained and authorized personnel only.

48. Remember — your safety and the safety of others depends on you. Keep your mind on operating your lift truck.



14982

Operator's Controls

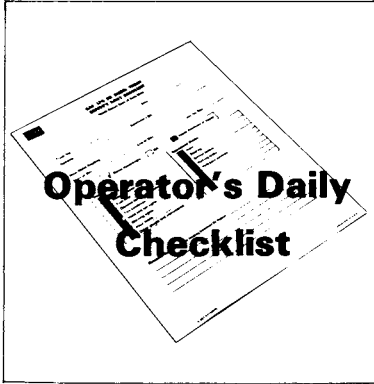


14978

Code: OI-345 Jul 74

1. Steering Handwheel.
 2. Horn Button.
 3. Lift-Lower Control Lever.
 4. Tilt Control Lever.
 5. Temperature Gauge.
 6. Ignition Switch Key.
 7. Accelerator Pedal.
 8. Service Brake and Inching Control Pedal.
 9. Ammeter.
 10. Fuel Gauge (Gas only).
 11. Forward-Reverse Directional Control Lever.
- * Choke Control (Located below left front corner of operator's seat).
 - * Engine Oil Pressure Indicator Light (Located at center of dash between ammeter and temperature gauge).
 - * Parking Brake Lever (located on the deck at right side of operator's seat.)

Before Operation

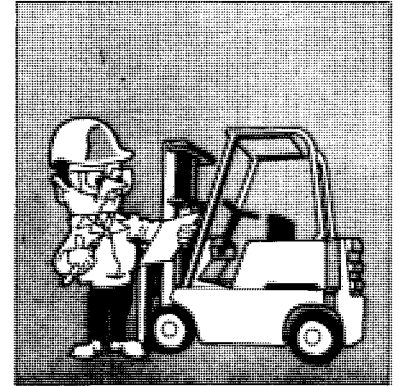


1. Each shift operator must complete an operator's daily check list at the beginning of his shift.

These daily check lists are available from your Clark dealer.

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

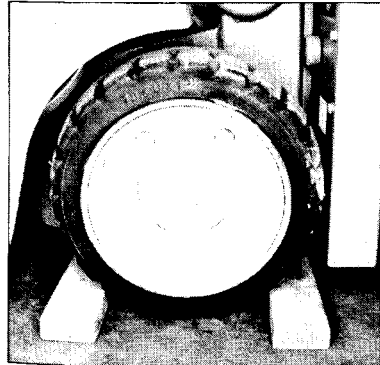
Note all damage and leaks on check list.



15013

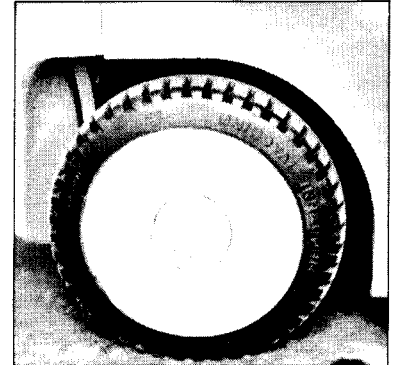
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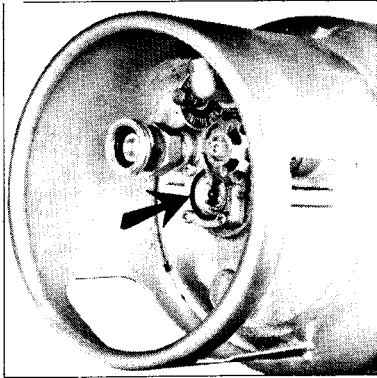
3. Check condition of drive wheels and tires. Note any apparent drive wheel or tire damage on the check list.

4. Check condition of steer wheels and tires. Note any apparent steer wheel or tire damage on the check list.



14984

Before Operation

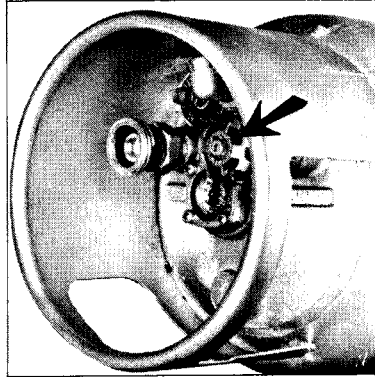


13221

5. If your truck is L.P. gas powered, you should now check your fuel level.

The gauge is located at the end of the tank and will indicate the percentage of fuel remaining.

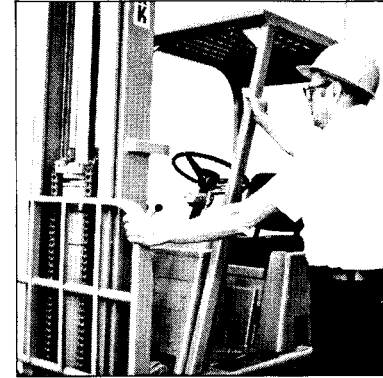
Tank should contain enough fuel to complete your scheduled work shift. Refer to page 32 of this manual for tank changing procedures.



13245

6. Slowly turn fuel shut-off valve counterclockwise to open.

If this valve is opened too quickly, an automatic check valve will close. When this occurs it will be necessary to close the shut-off, wait several minutes and then slowly reopen the valve.

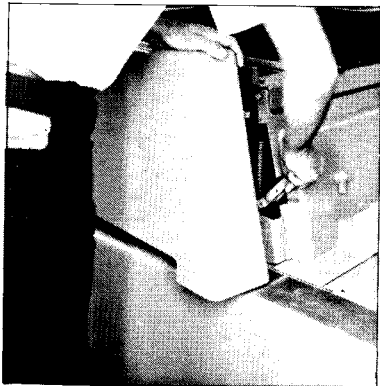


14985

7. Check condition of overhead guard and load backrest extension.

Make certain that they are undamaged, properly positioned and mounted securely.

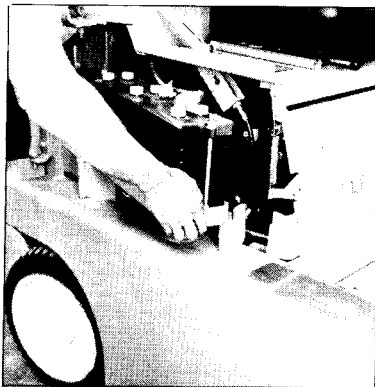
Before Operation



14986

8. Unlatch right hand side panel and pull it toward you to open it.

Swing the side panel toward rear of truck to expose the battery and the right side of the engine compartment.



14987

9. Lift up on front of battery and swing it toward you. The battery will pivot (from rear) out of the engine compartment providing better access to fluid level plugs.

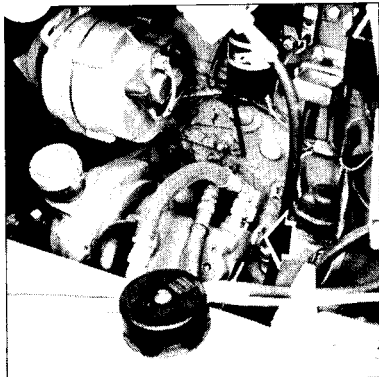


15001

10. Visually check the condition of battery and cables.

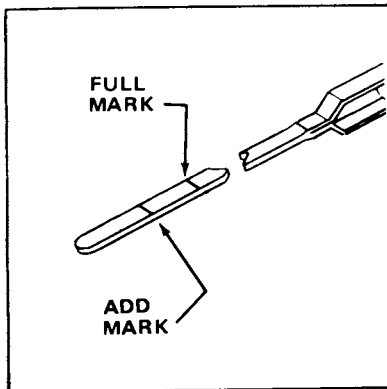
Remove fluid level plugs from all battery cells and check fluid level in each. Add distilled battery water as necessary. Replace all plugs and note battery and cable condition to check list.

Before Operation



14988

11. Pull engine oil dipstick from its support tube. Wipe dipstick with a clean, lint-free cloth and re-insert dipstick fully into its support tube.



13239

12. Pull dipstick from support tube and check engine oil level.

Engine oil level must be maintained between the "add" and "full" marks on the dipstick.

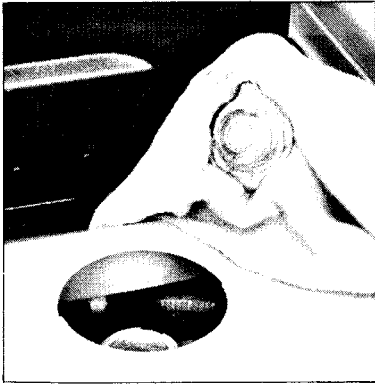
Remember that one quart of oil will raise the level from "add" to "full". DO NOT OVERFILL.



14986

13. Return engine oil dipstick to its original position in the support tube, swing battery back to its original position (make certain that it locks into place) and close and latch the right hand side panel.

Before Operation



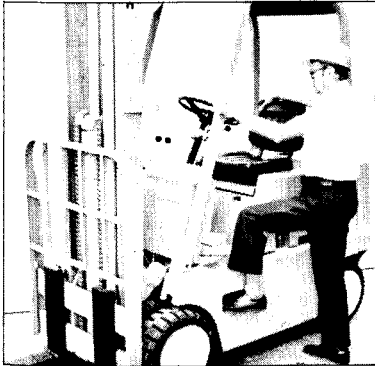
14989

14. Always check radiator coolant level with engine turned off and cold, if possible.

Caution -- Use extreme care when removing radiator pressure cap. The sudden release of pressure can cause a steam flash resulting in serious injury. Place a rag over the radiator cap and loosen slowly to allow gradual escape of steam.

Never add cold water or cold anti-freeze into the radiator of an overheated engine. Allow the engine to cool and avoid the danger of cracking the cylinder head or block. Keep engine running while adding water or anti-freeze. A solution of 50% ethylene glycol and 50% water is recommended -- never use water only.

14990

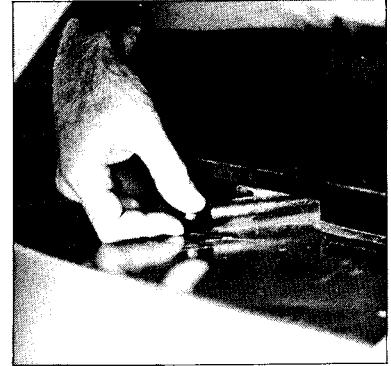


15. Remove blocks from drive wheels, enter operator's compartment and seat yourself.

16. Seat adjustment is accomplished by releasing short lever at lower right front of seat.

Position seat to provide easy access to all hand and foot controls, free lever and make certain that seat locks into desired position.

14969



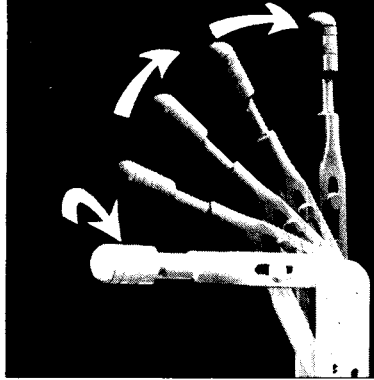
Before Operation



14974

17. Place foot on service brake pedal and apply pressure by pushing down.

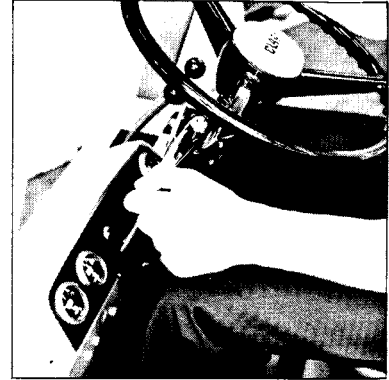
Pedal should be "firm". If pedal feels "spongy" or "fades" under pressure DO NOT OPERATE THE TRUCK. Report brake deficiency immediately to the proper authority.



13228

18. Make certain that the parking brake lever is in the "on" (full-up) position.

Brake holding power can be adjusted by rotating the knob on top of the lever clockwise to increase holding power or counterclockwise to reduce it. (See page 33 of this manual for holding specifications).

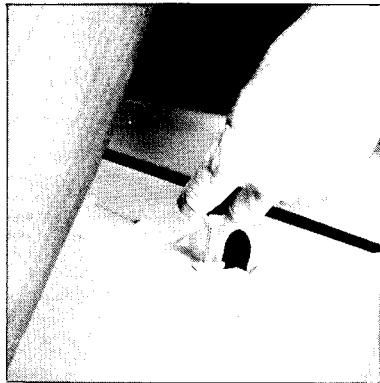


14991

19. Check to make sure that transmission directional control lever is in neutral position.

These trucks are equipped with a neutral start switch and cannot be started in forward or reverse unless switch is faulty or improperly adjusted. Report switch condition on your check list.

Before Operation

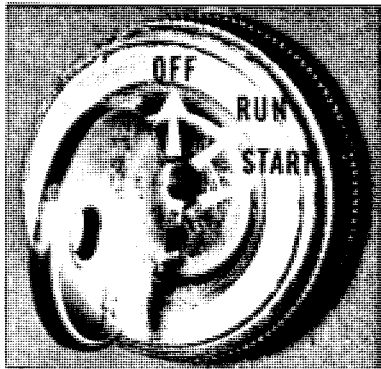


14992

20. Gas and L.P. gas trucks are equipped with a manual choke. This control must be pulled when starting a cold engine.

On L.P. gas models the choke should be pushed in as soon as the engine starts. On gas models the choke should be pushed in gradually as the engine begins to warm up once started.

13226



22. Insert ignition switch key and turn clockwise to "start" position.

Release key to return to "run" position as soon as engine starts.

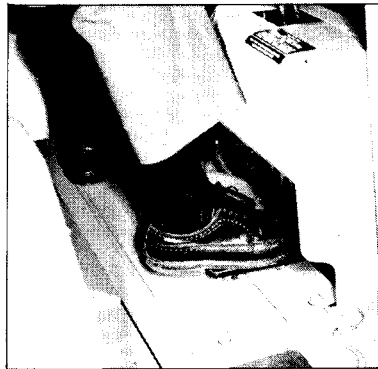
If engine does not start on the first attempt — do not re-engage the starter until the engine comes to a complete stop (approx. 5 sec).

21. Place your right foot on the accelerator pedal and press down slightly.



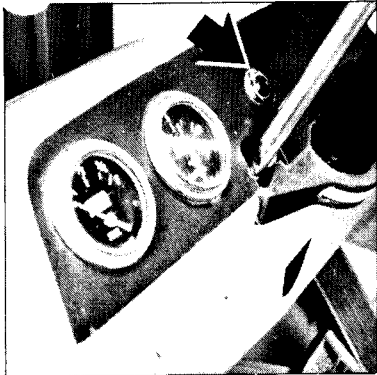
14975

23. If gas or L.P. gas engine becomes over-choked or "flooded" in starting, push choke control in — press accelerator pedal to floor board and engage the starter as described in item 22.



14993

Before Operation

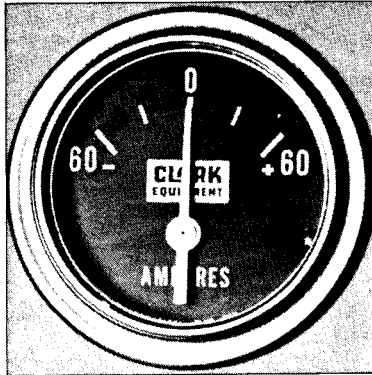


14994

24. These trucks are equipped with a dash mounted engine oil pressure indicator light. This light should go out shortly after the engine starts.

If the indicator light does not go out or if the light comes on at any time during operation you should shut down the engine.

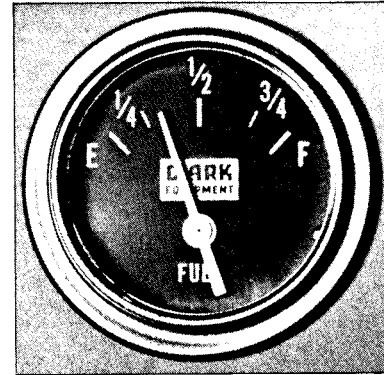
Do not restart it until the cause can be located and corrected.



13224

25. Check the ammeter for proper operation. It should indicate a high rate of charge for a short period of time after the engine starts.

If the ammeter shows a continuous high rate of charge, discharge, reads erratically, or is otherwise damaged you should record these facts on your check list.

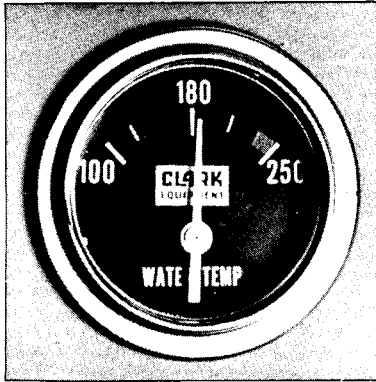


13220

26. On gas model trucks check the fuel gauge to determine the amount of fuel in the tank.

It is recommended that you always start your shift with a full fuel tank.

Before Operation



13223

27. Check dash mounted water temperature gauge to insure that it is undamaged and functioning properly. Water temperature should reach 180°F. after 10 minutes of operation.

If the indicator needle goes into the "hot" or red area during operation — immediately shut down the engine and do not restart until cause of trouble has been located and corrected.

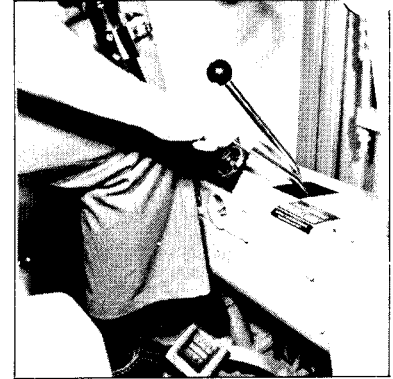
Page 24



13225

28. The engine hour meter is located inside the left hand side panel just above the fuel filler cap.

Unlatch the left hand side panel and open it far enough to check the hour meter. Make certain that the hour meter is undamaged and functioning properly then close the side panel and make sure it latches.



14976

29. Gently pull back on the tilt control lever and hold until upright reaches full back tilt.

Do not hold lever back after upright has reached full back tilt — to do so will unduly heat the hydraulic fluid and could harm the hydraulic system components.

Before Operation



14977

30. Push tilt lever forward and hold in position until upright tilts forward to near vertical position.

Return tilt lever to neutral position to halt forward tilting action at desired point.



14971

31. Carefully check for adequate unobstructed overhead clearance, then gently pull back on lift control lever and hold until upright reaches maximum lift height.

Return lift lever to its neutral position to halt lift at desired level.

Note any erratic upright operation on your check list.



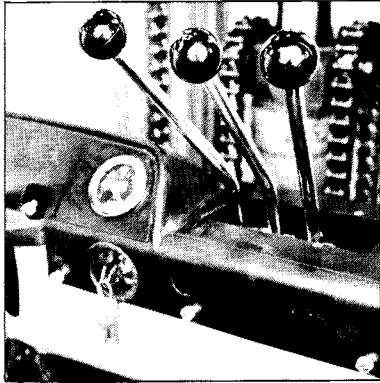
14972

32. Gently push forward on lift control lever and closely observe descent of upright.

Return lift control lever to its neutral position to stop upright descent near (about 4-6 inches) floor level.

Record any erratic or unusual operation on your check list.

Before Operation



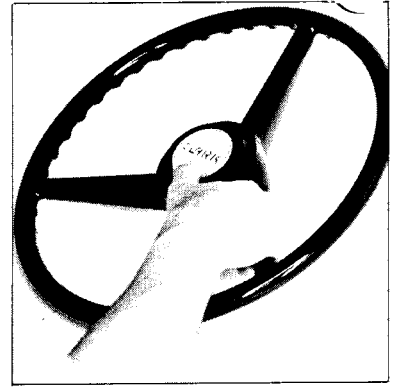
15014

33. Trucks equipped with hydraulic attachments or accessories will have one or more additional control levers mounted to the right of the lift and tilt control levers.

The function(s) of these levers should be checked with your supervisor before attempting operation.

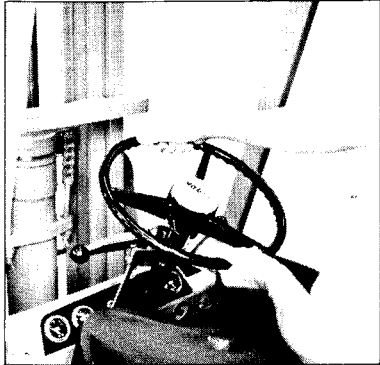
34. Press horn button to determine if horn is operational.

If horn does not function properly record it on your check list and report it to the designated authority when you have completed your "before operation" checks.



13141

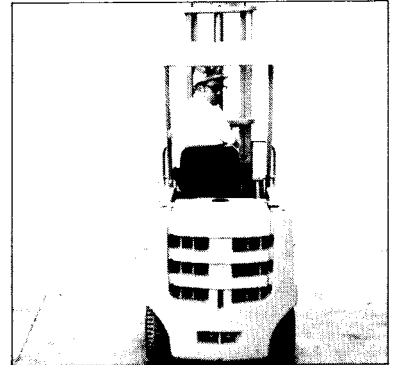
14995



35. Rotate steering handwheel to the left and to the right.

Any excessive or unusual free travel, looseness or binding must be noted on your check list.

36. Check all around truck to make certain that your desired path of travel is unobstructed.



14981

Before Operation



14974

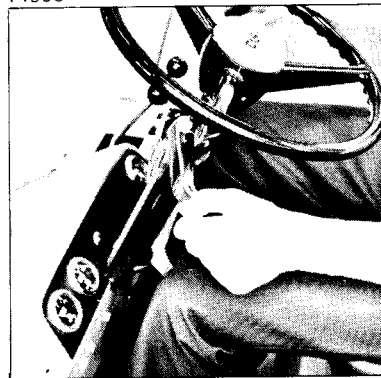
37. Place your right foot on the brake pedal and press down firmly to apply the truck service brakes.

38. Release the parking brake by pushing forward on the brake control lever at your right hand side.



14997

14996



39. Gently pull the transmission directional selector lever back for reverse travel (or push it forward for forward travel).

40. Release foot pressure on brake pedal, place foot on accelerator pedal and smoothly press down until truck begins to move in selected direction.



14975

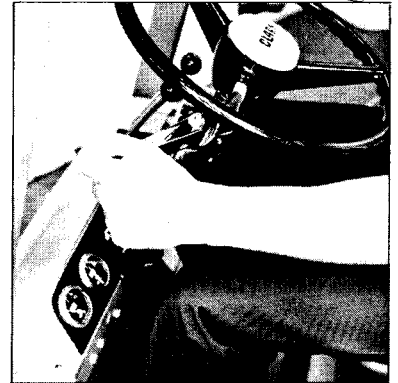
Before Operation



14974

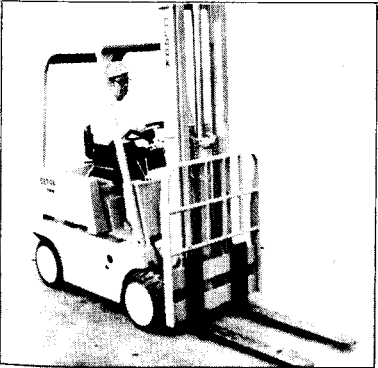
41. Release foot pressure on the accelerator pedal, place foot on service brake pedal and gently apply pressure to bring truck smoothly to a complete stop.

42. Gently push the transmission directional selector lever forward for forward travel (or pull it back for reverse travel).



14998

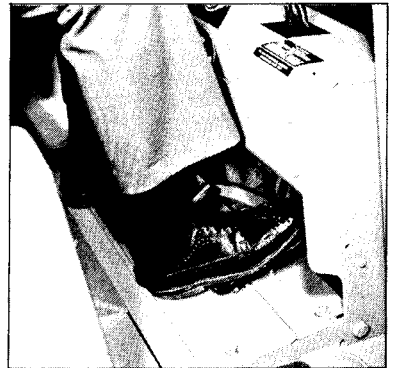
14982



43. Make certain that your selected path of travel is unobstructed.

44. Release foot pressure on the brake pedal, place right foot on the accelerator pedal and smoothly press down until truck begins to move in selected direction.

14975



Before Operation

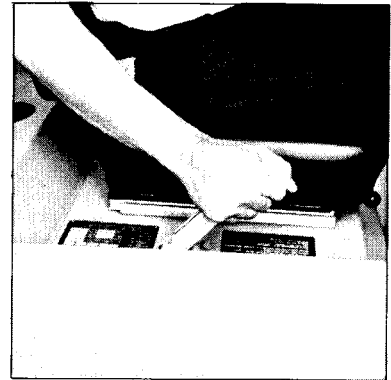


14972

45. Stop truck as described in item 41 on page 28.

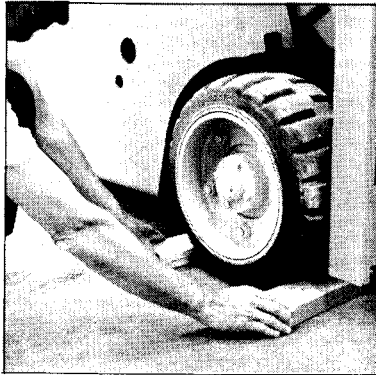
Lower forks to floor, tilt upright forward to place fork tips on the floor, place transmission directional control lever in neutral . . .

46. . . . apply the parking brake, turn switch counterclockwise to "off" position, remove key and carefully dismount from the truck.



14997

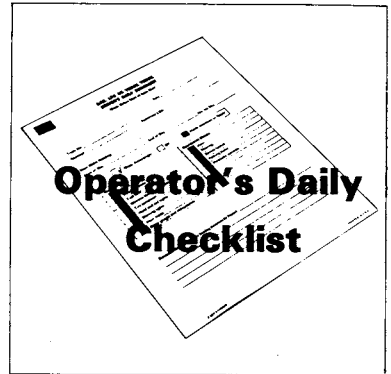
14999



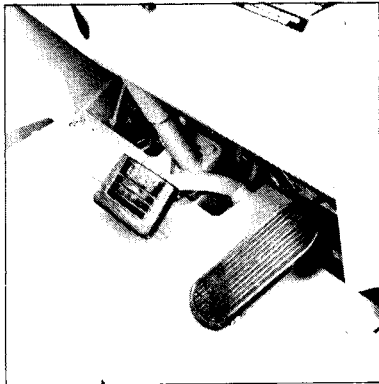
47. Block drive wheels to prevent accidental roll.

48. Review your check list to make certain that it is complete, sign it and turn it in to the designated authority.

15197



Operating Hints

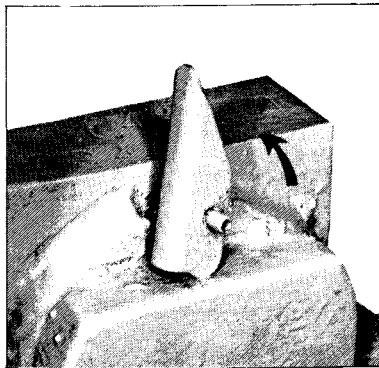


15000

1. These trucks all have "inching" capability.

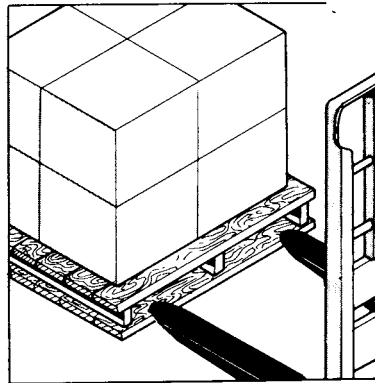
The initial portion (approx. 1") of brake pedal travel regulates oil pressure within the transmission. This feature allows controlled truck speed independent of engine speed which makes fast lifting possible while maintaining slow travel speed.

10758



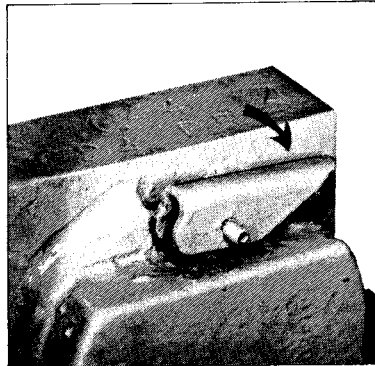
3. Load should be centered on forks and forks should be near outside edges of load. If they are not — adjust them by lifting fork lock lever and sliding forks along fork bar to desired position. Then...

2. Remember to approach load slowly and squarely to avoid damaging the material being handled and to minimize truck maneuvering.



13203

4. . . . Remember to lower lever to lock forks securely into notch atop the fork bar.



10759

Operating Hints

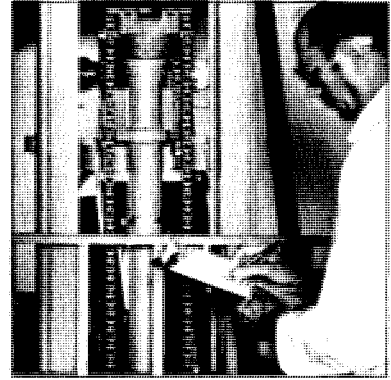


14982

5. Always be alert for abrupt changes in the operating characteristics of your truck.

Unusual noises or sudden changes should be reported to your supervisor immediately.

6. All adjustments and/or repairs should be performed by thoroughly trained and qualified personnel only.



13160

13248



7. All these truck models (except L.P. gas) are equipped with a reserve fuel supply. If main fuel supply runs low, turn valve lever (accessible through step hole in left side of frame) from "Run" (main) to "Em" (auxiliary) position. This will provide about 1/2 gallon of additional fuel to return you to your refueling area.

Remember to return the reserve fuel supply lever to the "Run" position after refueling has been accomplished.

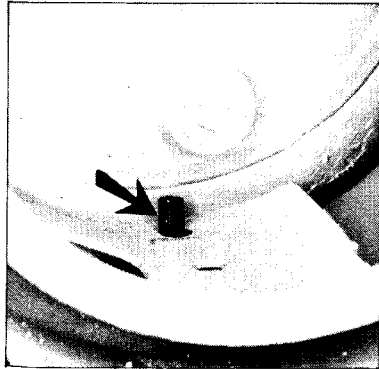
Operating Hints



13250

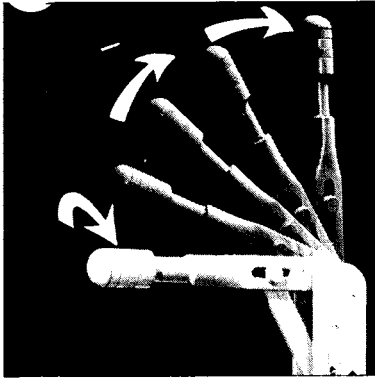
8. Whenever it becomes necessary to remove L.P. gas tanks to refuel you must:
 - a. Close the fuel shut-off valve at end of tank by turning it clockwise.
 - b. Operate engine until it stops. All gas vapors between tank and engine should then be burned off.
 - c. Turn ignition switch key counterclockwise to the "off" position.
 - d. Disconnect fuel line at quick-disconnect coupling. Tools should not be required to connect or to disconnect this coupling.
 - e. Loosen container fasteners and swing container mounting cover up and toward seat back.
 - f. Lift out empty container.

13251



9. When reinstalling recharged L.P. gas tanks you must:
 - a. Carefully place recharged container in the mounting bracket.
 - b. Make certain that tank locating hole is positioned securely over the tank positioning pin in the bracket.
 - c. Swing container mounting cover into position over the new container and secure fasteners.
 - d. Reconnect fuel line to tank at quick disconnect coupling.
 - e. Open fuel valve as described in item 6 on page 17.

Operating Hints



13228

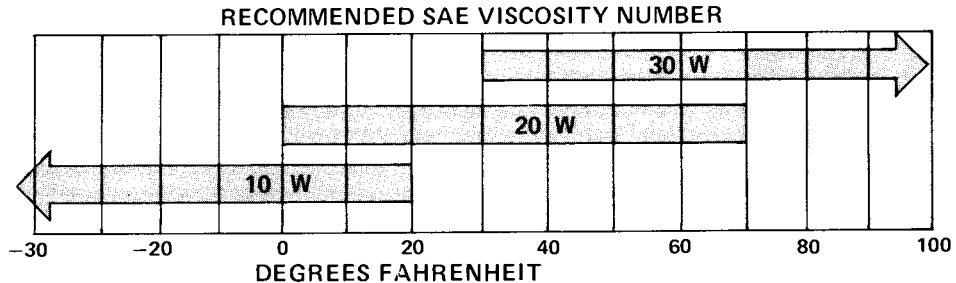
10. Parking brake performance is checked by moving lever from full "on" position to full "off" position. Maximum force will be required just before brake lever reaches full "on" position.

The parking brake should be adjusted to hold the truck, with capacity load, on a 15% grade (1.5 feet of rise in 10 feet), or on the maximum grade negotiated in your operation, whichever is less. Brake holding power can be adjusted by rotating the knob on the lever. Rotate it clockwise to increase tension or counterclockwise to decrease tension and holding power.

● FUEL RECOMMENDATIONS

- Gasoline 85 Octane Minimum (Motor Method)
- L.P. Gas HD 5 Propane

● ENGINE CRANKCASE OIL



Parking

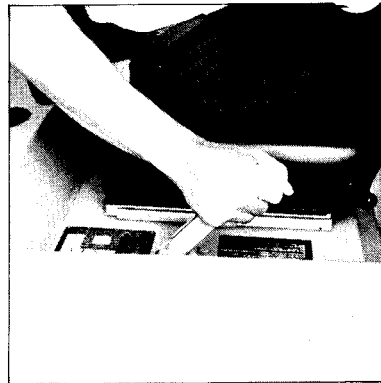


15011

1. Park lift trucks only in designated parking areas.

Do not block aisles, exits, entrances or other emergency lanes.

2. Make sure that transmission directional selector lever is in neutral and that parking brake lever has been properly applied.



14997

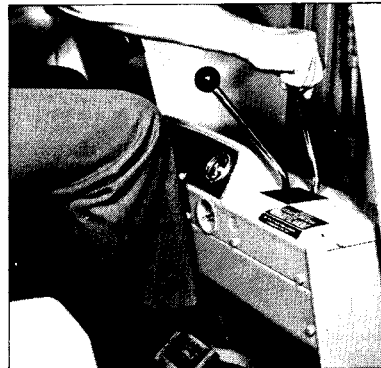
14972



3. Lower lift forks to floor.

4. Tilt upright forward until fork tips rest on the floor.

14977



Parking

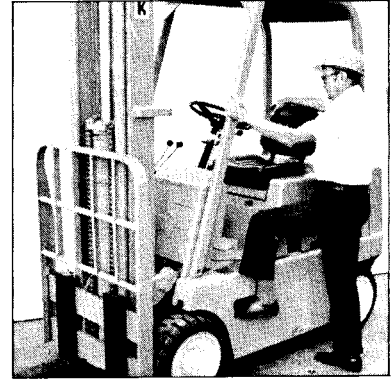


13226

5. If your truck is L.P. gas powered go directly to step 6.

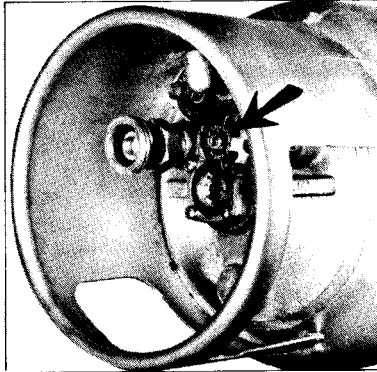
If your truck is gas powered turn the ignition switch key counter-clockwise to the "off" position and remove the key.

6. Carefully dismount from the truck.



14990

13245

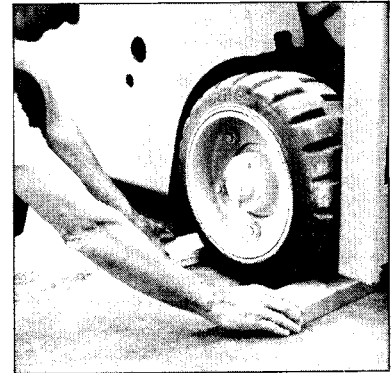


7. If your truck is gasoline powered skip this step and go directly to step 8.

If your truck is L.P. gas powered turn the fuel shut-off valve clockwise to stop fuel supply.

When engine stops remove key as described in item 5 on this page.

8. Securely block drive wheels to prevent accidental roll and turn the ignition switch key in to the designated authority.

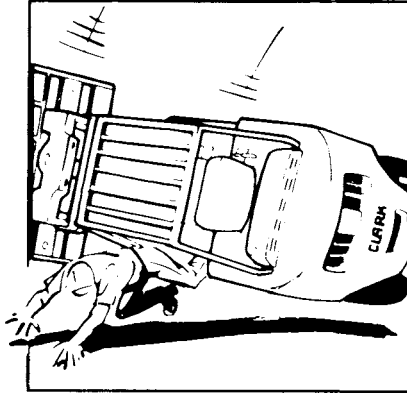


14999

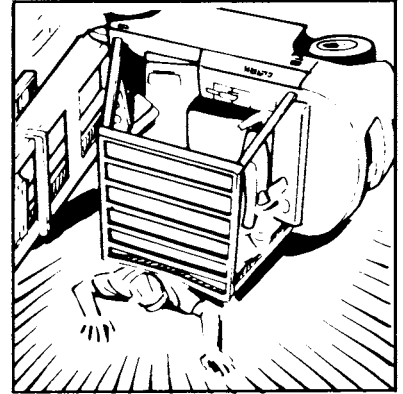
Truck Tip-Over



24976



24977



24978

This three-picture sequence shows what happens if an operator tries to jump from a truck during a tip-over.

If your truck starts to tip over, do not jump.

**Your chances for survival in a tip-over are better if you stay with the truck.
The following page shows the position to take in the event of a tip-over.**


Truck Tip-Over





24968

Jump Starting

1. This truck has a 12-volt battery and a negative ground electrical system. Make sure that the other truck also has a 12-volt battery and negative ground system. If not sure of the voltage (or if the ground is different) do not try to jump start, as personal injury or damage to the electrical system can result.

 WARNING
SHORT CIRCUITS
REMOVE ALL JEWELRY. DO NOT PERMIT ANY METAL TOOLS TO MAKE CONTACT WITH THE POSITIVE BATTERY TERMINAL AND OTHER METAL ON THE TRUCK. MAKE SURE WHEN CONNECTING JUMPER CABLE CLAMPS TO THE POSITIVE TERMINALS OF THE BATTERIES THAT NEITHER CLAMP CONTACTS ANY OTHER METAL. INJURY CAN OCCUR FROM ELECTRICAL SHOCK OR EXPLOSION.

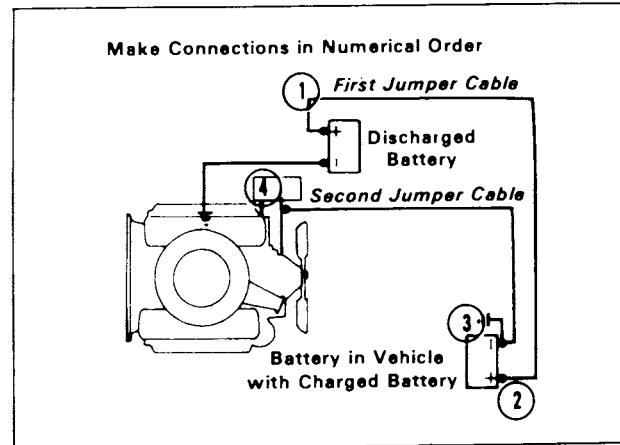
 WARNING
SULFURIC ACID
THE BATTERY CONTAINS CORROSIVE ACID WHICH CAN CAUSE INJURY. IF ACID CONTACTS YOUR EYES OR SKIN, FLUSH IMMEDIATELY WITH WATER AND GET MEDICAL ASSISTANCE.

 WARNING
EXPLOSIVE GASES
DO NOT SMOKE OR HAVE OPEN FLAMES OR SPARKS IN BATTERY CHARGING AREAS OR NEAR BATTERIES. AN EXPLOSION CAN RESULT AND CAUSE INJURY OR DEATH.

Jump Starting

- Put the truck with the good (charged) battery so that the jumper cables will reach. **DO NOT PERMIT THE TRUCKS TO TOUCH AND CHECK TO SEE THAT THE TRUCKS DO NOT TOUCH.**
- Turn all accessories on both trucks to the "Off" position. Turn the ignition key to the "Off" position, apply the parking brake, and put the transmission of both trucks in the neutral position.
- If the discharged battery has filler caps, check the fluid level. (**DO NOT USE AN OPEN FLAME TO CHECK. DO NOT SMOKE.**) Add distilled water to the correct level, if low, and install the caps before jump starting. If the battery is a sealed type, do not try to jump start the truck, or charge it or test it if the center of the test indicator in the battery is bright or light colored. Instead, install a new battery.

- Jumper cable connection instructions (Fig. 24871):
 - Connect the first jumper cable from the positive "+" (Red) terminal on one battery to the positive "+" (Red) terminal on the other battery. **NEVER** connect "+" (Red) to "-" (Black), or "-" to "+".



Jump Starting

5. (Continued)
 - b. Next, connect one end of the second cable to the grounded negative “-” (Black) terminal of the good (charged) battery.
 - c. Lastly, connect the other end of the second jumper cable to a solid, stationary, metallic point on the engine of the truck with the discharged battery but at a point away from the battery. At least [450 mm] 18 inches from the battery if possible. Do not connect it to pulleys, fans, or other parts that move. Take care not to touch hot manifolds which can cause severe burns.
6. Start the engine on the truck with the good (charged) battery and run the engine at a moderate speed.
7. Start the engine of the truck that has the discharged battery.
8. Remove the jumper cables by reversing the above sequence exactly. Start by removing the last cable first; that is, remove the jumper cable from the truck with the discharged battery as the first step.

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
YOUR AUTHORIZED CLARK DEALER

CLARK Industrial Truck
Division

Lexington, KY 40511
Printed in USA