

FOREWORD

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6) CAUTION BELT (ITEM 6)

The belt fastening decal is placed on the both side of the overhead guard.

When operating the truck, bear in mind that operator should securely fasten the safety belt so that he can avoid from falling down to the ground.

▲ Do not operate truck unless the safety belt is securely fastened around you.



7) FOR SAFETY (ITEM 15)

This warning safety is located on the bottom left side of the dash board.



FOR SAFETY

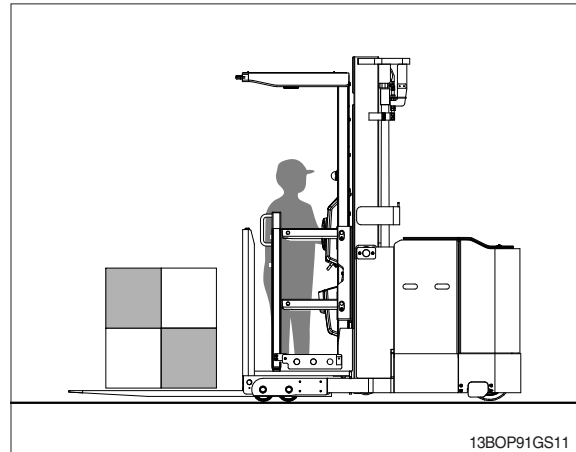
1. BEFORE OPERATING THE TRUCK, PLEASE CHECK BRAKES, STEERING SYSTEM, HORNS AND OTHER DEVICES FOR SAFETY AND MAKING IT EASY OPERATION.
2. ONLY TRAINED AND QUALIFIED PERSONS SHOULD OPERATE THIS TRUCK.
3. PLEASE OPERATE THE TRUCK ON SUTABLE POSITION IN OPERATOR'S PLATFORM.
4. THE OPERATOR SHOULD ALWAYS WEAR A SAFETY HELMET AND SAFETY SHOES WHILE OPERATING.
5. PLEASE MAKE SURE SAFETY BELT MUST BE FASTENED AND SAFETY BAR MUST BELET DOWN WHILE OPERATING.
6. TO LOAD FRIEGHT SAFELY, FASTEN FORKS SURELY AND PLACE THEM ON CENTER. DO NOT OPERATE WITH UNSTABLE AND UNFIXED FORKS.
7. OPERATE MORE CAREFULLY WITH LONG, HIGH OR WIDE LOADS AND DO NOT OVERLOAD FREIGHT. PLEASE SEE THE LOAD CHART.
8. DO NOT LOAD REIGHT AND ANY OTHER THINGS EXCEPT OPERATOR ON THE PLATFORM.
9. PLEASE USE STANDARD PALLET.
10. PLEASE OPERATE TRUCK WITH KEEPING LOCKED PALLET CLAMP WHILE USING PALLET CLAMP.
11. AVOID SUDDEN START, STOP, TURN AROUND AND UNSAFE SPEED ACCELERATION. PLEASE PAY ATTENTION TO OPERATE CAREFULLY.
12. DO NOT LOAD AND UNLOAD FREIGHT WHEN TRAVELING
13. DO NOT ALLOW ANYONE TO STAND OR PASS UNDER FORKS OR LIFTING MECHANISM.
14. PLEASE SECURE ENOUGH SPACE NOT TO GET ANY OBSACLE CAUGHT ON THE END OF FORKS WHILE LIFTING.
15. PLEASE DO NOT OPERATE OVER RATED LOAD.
16. PLEASE DO NOT OPERATE ANY SLOPE.
17. PLEASE CHECK THE LOWERED HEIGHT OF TRUCK ON AISLE.
18. PLEASE LOWER FORKS TO GROUND,CHECK THE NEUTRAL POSITION OF THE DRIVE LEVER, AND REMOVE THE KEY OR CONNECTOR PLUG WHEN LEAVING THE TRUCK.
19. ASK FOR QUALIFIED PERSONS IF ANY TROUBLE HAPPENS IN THE TRUCK.

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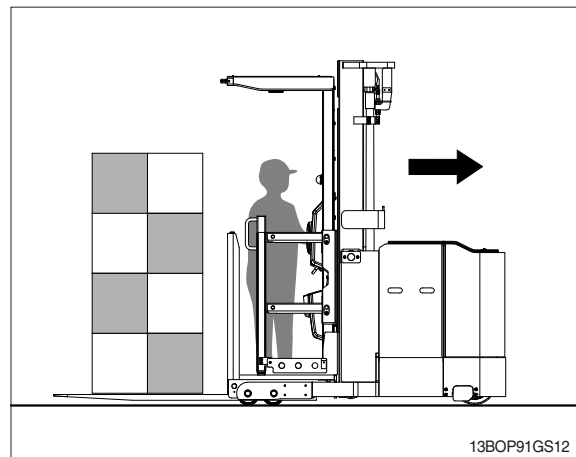
8. TRAVEL

1) Travel with the load near the floor/ground to cradle the load whenever possible.

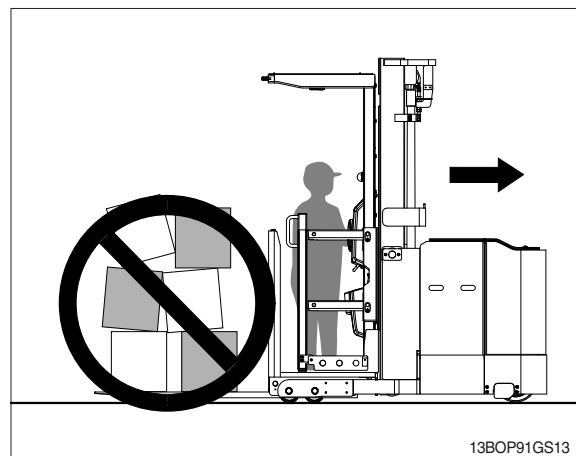
⚠ Never lift or lower the load when the truck is in motion.



2) When handling bulky loads that restrict your vision always operate your truck in front side to improve visibility.



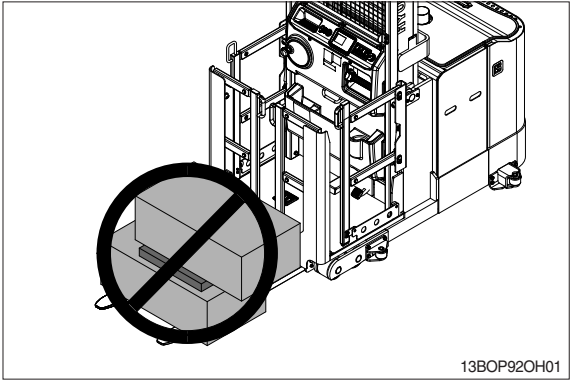
3) Unstable loads are a hazard to you and to your fellow workers. Always make certain that the load is well stacked and evenly positioned across both forks. Never attempt to lift a load with only one fork.



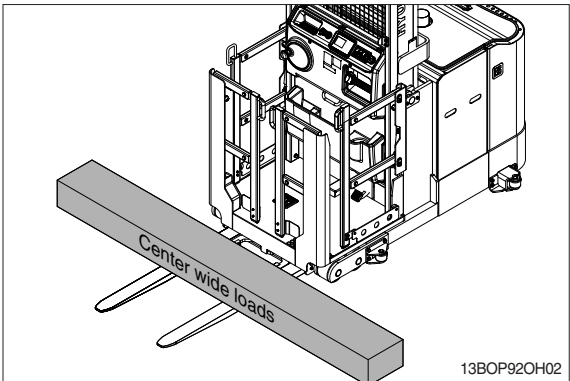
2. OPERATING HAZARDS

1. LOOSE LOADS

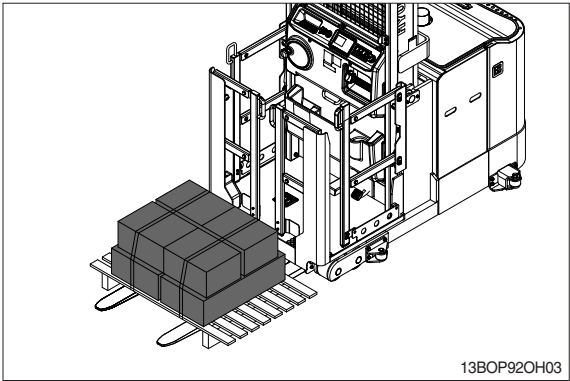
▲ Loose or unbalanced loads are dangerous. Observe these precautions.
Never carry loose or uneven material.



Center wide loads.

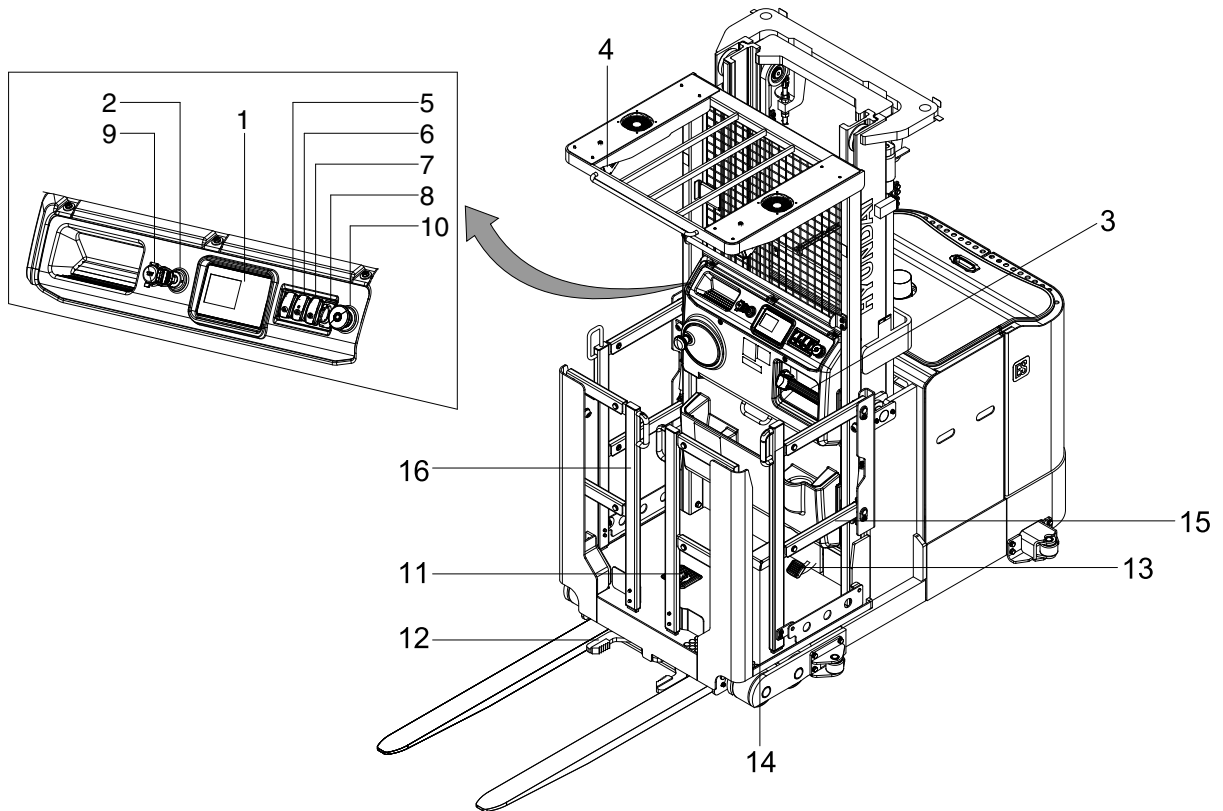


Stack and band loose material.



3. INSTRUMENTS AND CONTROLS

1) PLATFORM



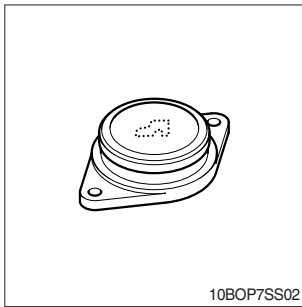
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- | | | | | | |
|---|---------------------|----|----------------------------|----|----------------------------|
| 1 | Display | 7 | Wire guidance switch (OPT) | 13 | Pallet clamp pedal |
| 2 | Key switch | 8 | Zone select switch (OPT) | 14 | Pallet clamp release pedal |
| 3 | Multifunction lever | 9 | Socket (12 V) | 15 | Side gate |
| 4 | Work lamp | 10 | Emergency switch | 16 | Rear gate |
| 5 | Work Lamp switch | 11 | Dead man switch | | (EU : STD, Other : OPT) |
| 6 | Fan switch | 12 | Pallet clamp | | |

※ The multifunction lever, steering wheel, display, lamps and all switches, (key, emergency stop, light etc) are located on the console.

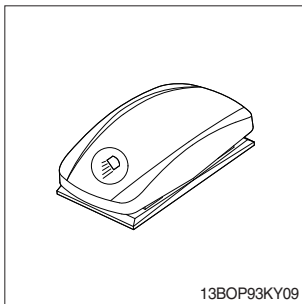
Familiarize yourself with the controls and follow safe operating procedures.

3) DEAD MAN SWITCH



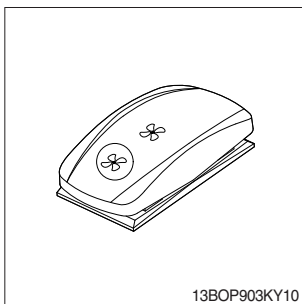
- (1) The dead man switch always keeps the operator's foot in place during driving the machine or hydraulic operation.
- (2) If the dead man switch is not pressed, all the electrical functions are taken out of operation with exception of the steering, the display and the horn.

4) WORK LAMP SWITCH



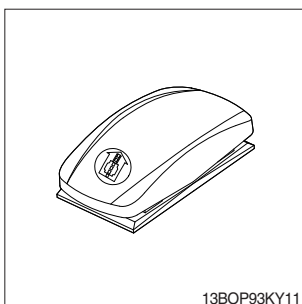
- (1) This switch is used to operate work lamps.
Press this switch to turn on work lamps.

5) FAN SWITCH



- (1) This switch is used for operation of the fan on the overhead guard.
In order to operate the fan, press the weathercock symbol downward.

6) WIRE GUIDANCE SWITCH (OPT)



- (1) This switch is used for operation of the wire guidance function.
- (2) To align truck to the wire
 - ① Turn the Wire Guidance Switch(WGS) to ON.
 - ② Approach to the wire.
 - ※ Approach angle have to be not over 30°
 - ※ Automatically drive speed down for the safety until aligning.
 - ※ The steering is impossible manually when starting automatic steering.
 - ③ Turn the WGS to OFF to steer manually.

3. STARTING THE TRUCK

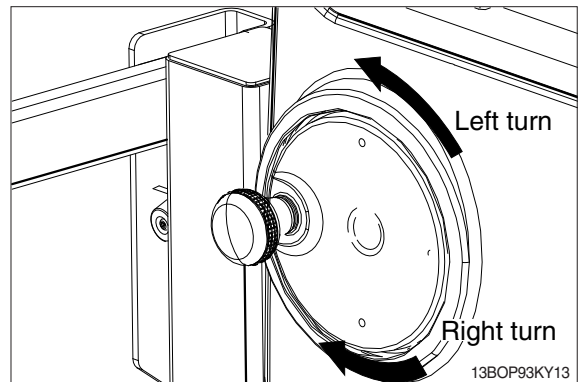
Before you start the truck, make sure that you have taken all the above mentioned precautions and the machine is in NEUTRAL.

1) DRIVING

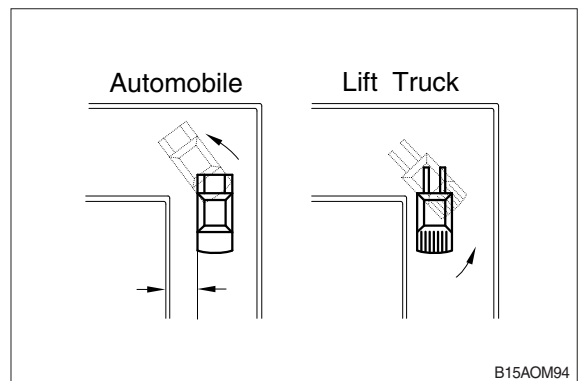
- (1) To start the truck, step down on and press the dead man switch.
 - (2) Insert the start key and turn it clockwise to the "ON" position.
 - (3) Step on the deadman switch continuously during operation of the truck.
 - (4) When driving the truck, the travel speed can be controlled by the multifunction lever.
- ※ Before driving the truck to a narrow aisle, make sure that people or other trucks are in the aisle.
- If people or other trucks are in the aisle, never the truck enters in the aisle in order to avoid from unexpected accident.
- ※ If the emergency switch is pressed downward, pull out it before inserting the start key.

2) STEERING

- (1) Hold the steering knob with the left hand to operate the steering.
- (2) Forklift trucks are steered by the front wheels.
- (3) Turn the steering wheel to clockwise in order that it may turn the machine to right direction.
On the contrary, turn the steering wheel to counterclockwise in order that it may turn the machine to left direction.



- (4) So when travelling FORWARD, keep to the outside and when travelling in REVERSE, keep to the inside when turning.
- (5) When turning, do not let the outside of the frame touch anything.



(2) To move a load from a stack

Approach the stack carefully, truck lined up squarely with the load. With mast vertical, raise the forks to the correct height for freely engaging the load pallet. Move reverse until the forks are under the load.

Be sure that the forks do not extend beyond the load, causing damage or tipping of other adjacent loads or materials behind the load being moved. If the forks are longer than the load, move the tips partially under the load without extending beyond the load.

Raise the load to clear the under surface. Back out several inches, then set the load down and move reverse until the front face of the forks contacts the load. Be careful that the fork tips now clear the adjacent load or material behind the load being moved.

Raise the load from the stack enough to lift the load from the surface. Or, with the mast still vertical, raise the forks until they begin to lift the load.

Check your travel path, slowly back up until clear of the stack, stop, and then lower the load to the travel position [150~200 mm (6~8 in) off the ground]. Be sure the load is located the platform as near as possible or front face of the forks.

※ Certain loads must be transported as level as possible.

8. SAFE MAINTENANCE PRACTICES

The following instructions have been prepared from current industry and government safety standards applicable to industrial truck operation and maintenance. These recommended procedures specify conditions, methods, and accepted practices that aid in the safe maintenance of industrial trucks. They are listed here for the reference and safety of all workers during maintenance operations. Carefully read and understand these instructions and the specific maintenance procedures before attempting to do any repair work. When in doubt of any maintenance procedure, please contact your local HYUNDAI dealer.

- 1) Powered industrial trucks can become hazardous if maintenance is neglected. Therefore, suitable maintenance facilities, trained personnel and procedures shall be provided.
- 2) Maintenance and inspection of all powered industrial trucks shall be performed in conformance with the manufacturer's recommendations.
- 3) Follow a scheduled planned maintenance, lubrication and inspection system.
- 4) Only trained and authorized personnel are permitted to maintain, repair, adjust and inspect industrial trucks and must do so in accordance with the manufacturer's specifications.
- 5) Always wear safety glasses. Wear a safety(hard) hat in industrial plants and in special work areas where protection is necessary and required.
- 6) Properly ventilate work area and keep shop clean and floors dry.
- 7) Avoid fire hazards and have fire protection equipment present in the work area. Do not use an open flame to check for fluid or electrolyte levels.

8) Before starting work on truck

- (1) Raise drive wheels free of floor and use oak blocks or other positive truck positioning devices.
- (2) Remove all jewelry (watches, rings, bracelets, etc.).
- (3) Put blocks under the load-engaging means, inner masts or chassis before working on them.
- (4) Disconnect the battery connector before working on the electrical system.

- Electric discharge of the controller

It is necessary to discharge of electricity for the condenser prior to setting the controller.

▲ First of all, take care to make sure that the battery cables are disconnected from the battery socket.

Connect 10 watt of resistor and the negative pole of the power input between the positive pole of the controller for 10 seconds to discharge of electricity for the condenser.

※ Refer to the 1-12 "Jacking and Blocking" section for proper procedures.

- 9) Operation of the truck to check performance must be conducted in an authorized, safe, clear area.

10) Before starting to operate the truck

- (1) Make sure that the multifunction lever is in NEUTRAL.
- (2) Turn the key switch to the ON position.
- (3) Check functioning of lift systems, direction and speed controls, steering, brakes, warning devices and load handling attachments.

13. AIR CLEANING THE TRUCK

Always maintain a lift truck in a clean condition. Do not allow dirt, dust, lint or other contaminants to accumulate on the truck. Keep the truck free from leaking oil and grease. Wipe up all oil spills. Keep the controls and floorboards clean, dry and safe. A clean truck makes it easier to see leakage and loose, missing or damaged parts. A clean condition helps prevent fires and helps the truck run cooler.

▲ Lift trucks should be air cleaned at every PM interval and more often if needed.

Use an air hose with special adapter or extension having a control valve and a nozzle to direct the air properly. Use clean, dry, low pressure, compressed air. Restrict air pressure to 30 psi (207 kPa), maximum. (OSHA requirement.)

▲ Wear suitable eye protection and protective clothing.

Air clean : mast assembly; drive unit; battery; cables; switches and wiring harness; drive and pump motors; and drive tire, load tire, guide roller, suspension, linkage.

▲ When cleaning the machine, it should not be used inflammable liquids to clean it.

Prior to cleaning the machine, it must be taken all safety measures to prevent it from the spark etc due to short circuit.

Especially, in the event of cleaning the electrical components, it had better use compressed air or non-conductive antistatic brushes in order that it can avoid from short circuit or unexpected accident.

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