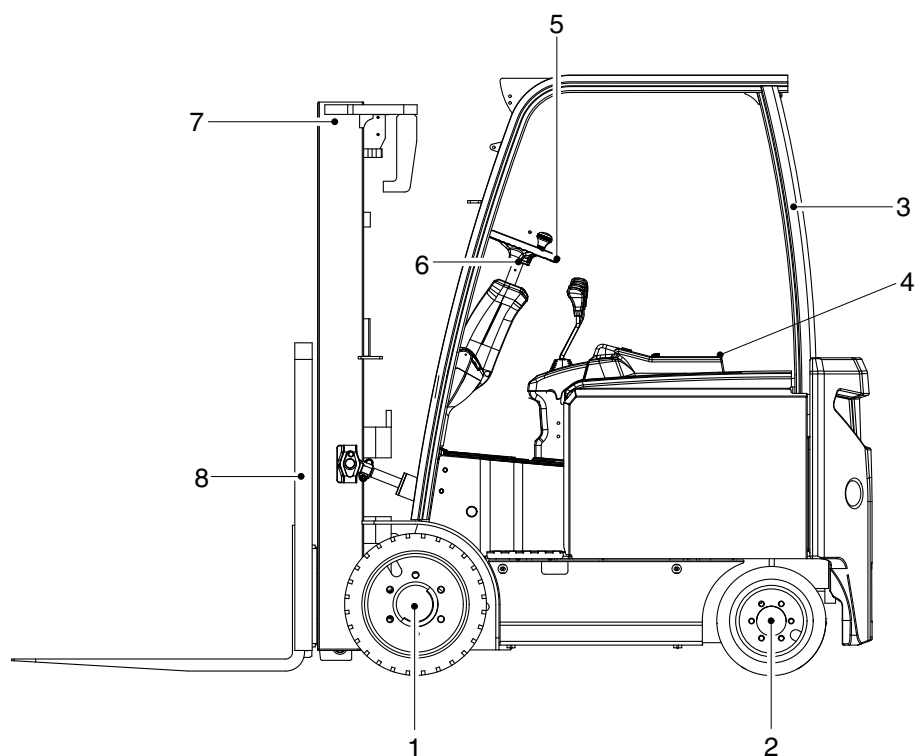


3. KNOW YOUR TRUCK

1. GENERAL LOCATIONS



25BC9UOM0301

TRUCK TYPE : Electric Sit-Down Rider, 48 V

- | | | | | | |
|---|---------------------------------|---|---------------------------|---|-----------------------|
| 1 | Drive Axle, tires and wheels | 4 | Seat | 7 | Mast |
| 2 | Steering axle, tires and wheels | 5 | Steering wheel | 8 | Carriage and backrest |
| 3 | Overhead guard | 6 | Directional control lever | | |

2. DATA/SAFETY PLATES AND DECALS

1) TRUCK DATA AND CAPACITY PLATE

FROM THE FACTORY THIS TRUCK MEETS ANSI B56.1

HD HYUNDAI XITESOLUTION

477, Bundangseong-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13302, Korea

MODEL: _____ TYPE: _____

PRODUCT IDENTIFICATION NUMBER _____

ATTACHMENTS: _____

MAX LIFTING HEIGHT 'A' _____ in

LOAD CAPACITY

Vertical _____ lb Forward Tilt _____ lb

Truck Weight (without battery) _____ lb

Battery DIM. limits (LxWxH) _____ in

Max Battery _____ lb Min Battery _____ lb

MFG. YEAR _____ Volt _____ V Max Amp Hrs. _____

CAPACITY WITH VERTICAL UPRIGHT EQUIPPED AS SHOWN:

CAPACITY _____ lb _____ lb _____ lb

LOAD CENTER 'B' _____ in _____ in _____ in

Made in Korea 91FY-00226

(1) Truck model number or registered name

(2) Truck serial number

An identification number assigned to this particular truck and should be used when requesting information or ordering service parts for this truck from your authorized HD HYUNDAI dealer. The serial number is also stamped on the frame.

(3) Attachment description (if any installed)

The user must see that the truck is marked to identify the attachment(s), including the weight of the truck/attachment combination and truck capacity with the attachment.

(4) Capacity rating, load center, and lifting height data

Shows the maximum load capacity of this truck with relation to load centers and fork heights (see diagram on plate). Personal injury and damage to the truck can occur if these capacities are exceeded.

Do not exceed the maximum capacity specified.

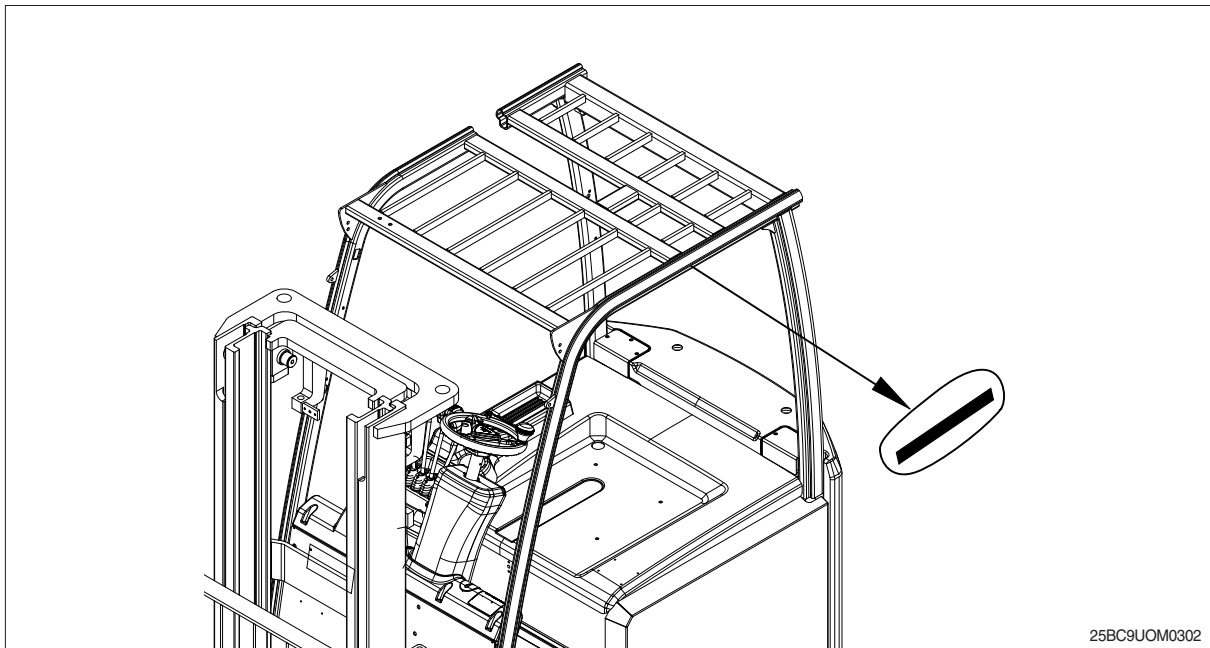
(5) Truck weight

The approximate weight of the truck without a load on the forks. This weight plus the weight of the load must be considered when operating on elevators, elevated floors, etc. to be sure they are safe.

(6) Battery weight and system voltage

- ▲ Before modifications that affect the stability of safety systems are made written approval from HD HYUNDAI. Contact your authorized HD HYUNDAI dealer for a new nameplate showing the revised capacity.

2) WARNING O.H.G DECAL



These Warning OHG decals are located on the left side of inner cabin upside.

▲ Safety and warning decal is placed in conspicuous locations on the truck to remind you of essential procedures or to prevent you from making an error that could damage the truck or possibly cause personal injury. You should know, understand, and follow these instructions. Safety and warning decals should be replaced immediately if missing or defaced (damaged or illegible). Refer to your parts manual for the location of all decals.

▲ Operator/Tip-over warning decal

Its purpose is to remind the operator that staying in the seat provides the best chance of avoiding injury in the event of a truck-tipping or driving off a dock mishap.

Lift trucks can be tipped over if operated improperly. Experience with lift truck accidents has shown that the driver cannot react quickly enough to jump clear of the truck and overhead guard as the truck tips. To protect operators from severe injury or death in the event of a tip over, it is best to be held securely in the seat. So, please, always buckle up when driving your lift truck.



⚠ Mast warning decal

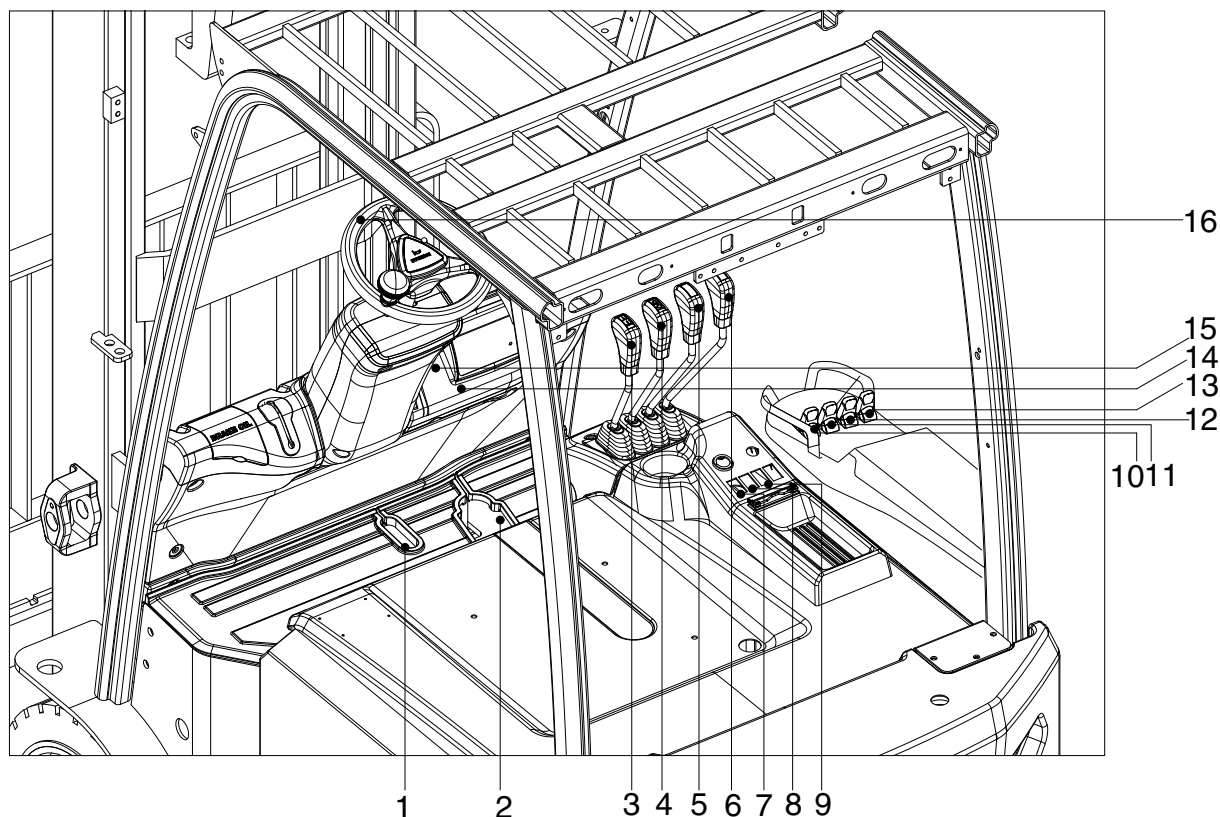
This safety decal is placed on the mast to warn of the danger of injury from movement between rails, chains, sheaves, fork carriage, and other parts of the mast assembly. Do not climb on or reach into the mast. Personal injury will result if any part of your body is put between moving parts of the mast.



⚠ Keep away from forks decal

This safety decal is placed on the mast to warn of the danger of injury from forks when they are in the raised position. Do not ride on or stand under forks or attachments. The forks can fall and cause injury or death. Always make sure that the forks are in the fully lowered position when they are not handling a load.

3. INSTRUMENTS AND CONTROLS



25BC9UOM0304

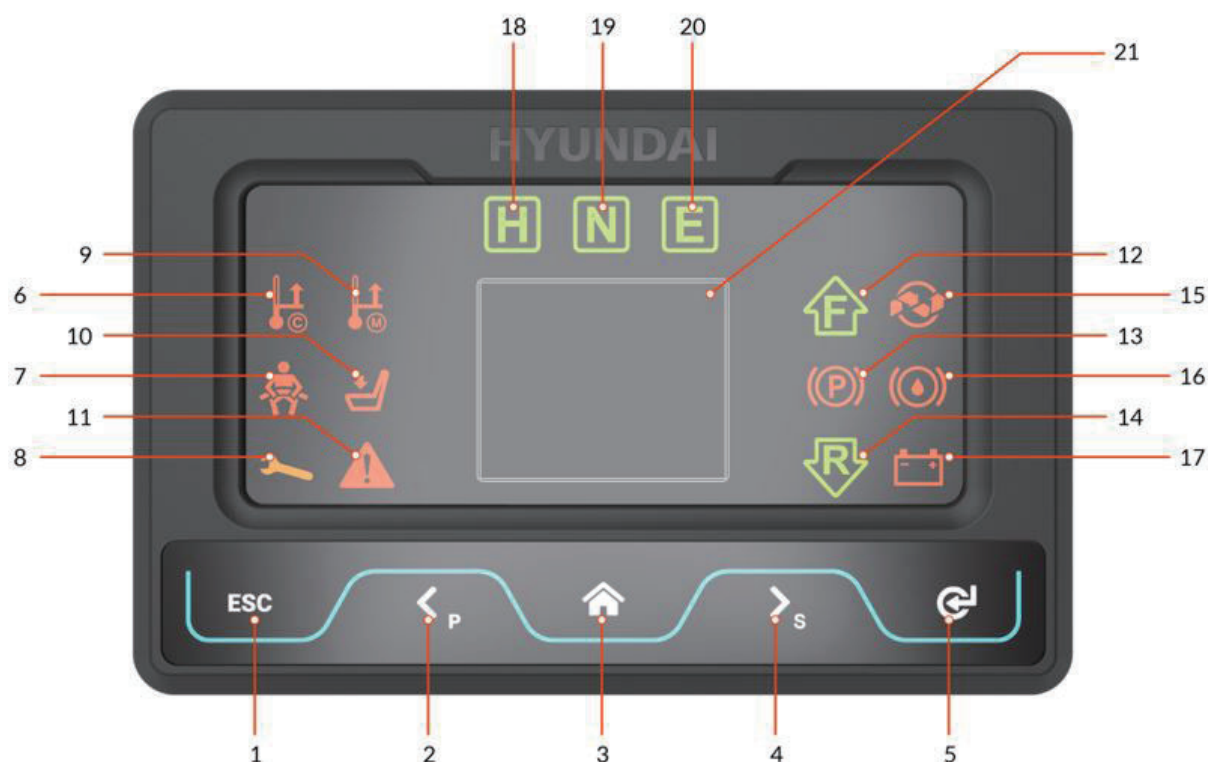
- | | | |
|-----------------------------|-------------------------|------------------------------|
| 1 Brake pedal | 7 Head lamp switch | 13 Fork positioner & S/Shift |
| 2 Accelerator pedal | 8 Work lamp switch | 14 Instruments panel |
| 3 Lift lever | 9 Beacon switch | 15 Key switch |
| 4 Tilt lever | 10 Lift fingertip (opt) | 16 Steering wheel |
| 5 Fork positioner | 11 Tilt fingertip (opt) | |
| 6 S/Shift & Fork positioner | 12 Fork positioner | |

※ Familiarize yourself with the controls and follow safe operating procedures.

4. INSTRUMENT PANEL

1) STRUCTURE

The instrument panel(cluster) has fifteen built-in LED(red, green, amber), which provide the operator with an easy information about the status of some truck devices.



- | | | |
|-----------------------------|------------------------|-----------------------------|
| 1 ESC button | 8 Wrench Lamp | 15 Consumable Exchange Lamp |
| 2 LEFT/PERFORMANCE button | 9 High Temp Motor Lamp | 16 Brake Oil Lamp |
| 3 HOME button | 10 Seat Lamp | 17 Battery Level Lamp |
| 4 RIGHT/SPEED button | 11 Warning Lamp | 18 High Mode Lamp |
| 5 ENTER button | 12 Forward Lamp | 19 Normal Mode Lamp |
| 6 High Temp Controller Lamp | 13 Parking brake Lamp | 20 ECO Mode Lamp |
| 7 Seat belt Lamp | 14 Reverse Lamp | 21 LCD Function |

2) WARNING LAMP

(1) High Mode lamp



This LED lights when the power mode is High.

(2) Normal Mode lamp



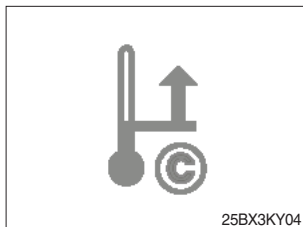
This LED lights when Power mode is Normal.

(3) ECO Mode lamp



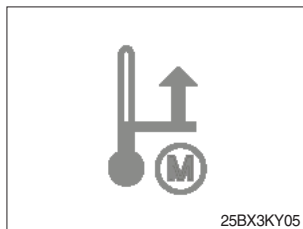
This LED lights when Power mode is Eco.

(4) High Temp. Controller Lamp



This LED lights when the controller temperature is high.

(5) High Temp. Motor Lamp



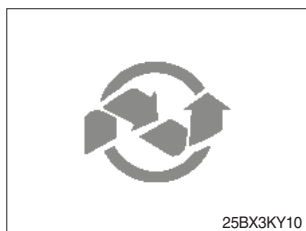
This LED lights when the motor temperature is high.

(6) Forward Lamp



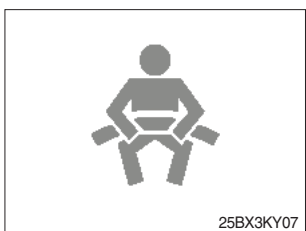
This LED lights when truck is forward running.

(7) Consumable exchange warning lamp (not in use)



It is Warning light that does not use.

(8) Seat belt lamp



This LED lights when the seat belt is not correctly fastened.
(Depending on the seat type, it may not be supported.)

(9) Seat lamp



This LED lights when the operator is not on the seat.
(Depending on the seat type, it may not be supported.)

(10) Parking brake lamp



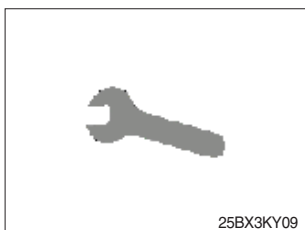
This LED Lights when the parking brake is activated.

(11) Brake oil lamp



This LED lights when measured level of brake oil stored in reservoir tank is below the minimum acceptable mark.

(12) Wrench lamp



This LED lights when an electric device is in abnormal condition.

(13) Warning lamp



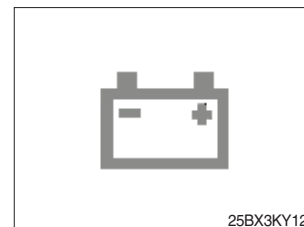
This LED lights when electric device is in abnormal condition.

(14) Reverse lamp



This LED lights when truck is reverse running.

(15) Battery level lamp

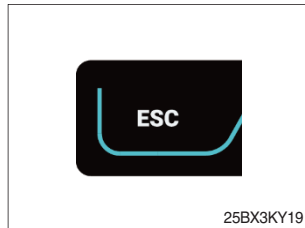


This LED Lights when measured level of battery is below minimum acceptable mark. (battery is less 10%)

4) BUTTON

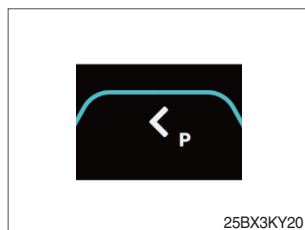
These buttons are used to select or change the menu and input value of LCD function and cluster menu.

(1) ESCI button



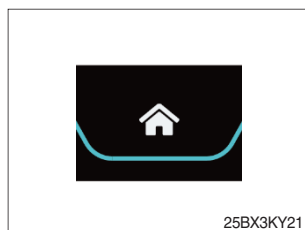
Press to select cancel.

(2) LEFT/POWER mode button



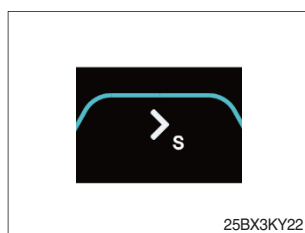
- ① Press to select leftward move.
- ② Press when switching between power modes (H/N/E).

(3) Home button



Go into the menu.
GO into the home.

(4) Right/Speed mode button



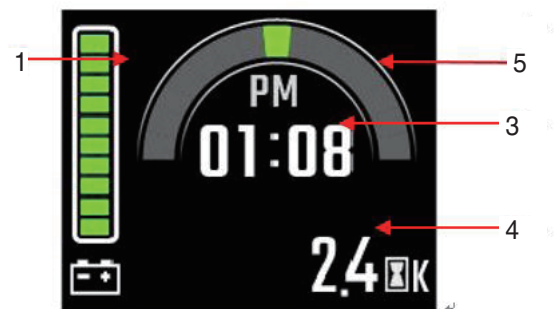
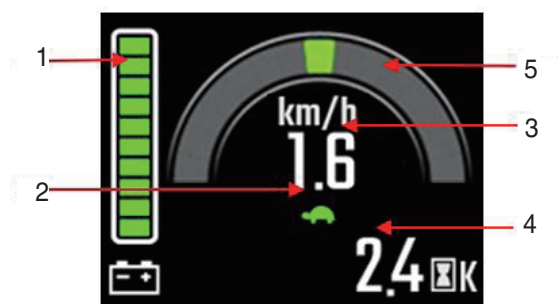
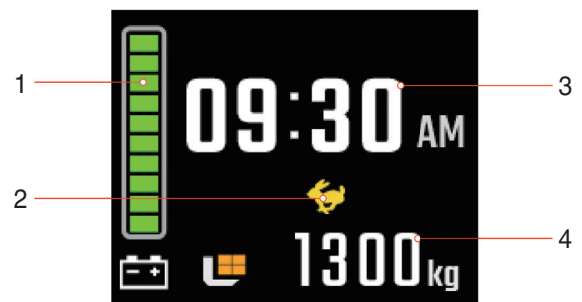
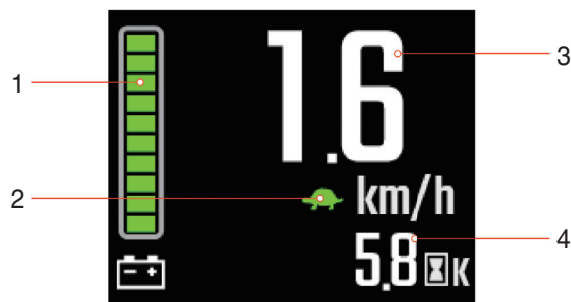
- ① Press to select rightward move.
- ② Press when switching between speed modes (turtle/rabbit).

(5) ENTER button



Press to select menu.

4) MAIN SCREEN



- 1 BDI (Battery Discharge Indicator)
- 2 Speed mode
- 3 Truck speed / Current time

- 4 Truck operation time/weight
- 5 Steering angle (depending on the model, it may not be supported)

(1) BDI (Battery Discharge Indicator)

The battery's state of charge is shown by ten bars. Each bar represents 10% of the battery charge. As the battery becomes discharged, the bars turn off progressively, one after another, in proportion to the value of the residual battery charge.

BDI %	Battery bars	Color
91 - 100	10	Green
81 - 90	9	
71 - 80	8	
61 - 70	7	
51 - 60	6	
41 - 50	5	
31 - 40	4	Orange
21 - 30	3	
11 - 20	2	Red
1 - 10	1	

(2) Speed mode

The turtle symbol is normally off. When this symbol appears, the turtle mode is activated regardless of the power mode of the truck to reduce the maximum speed to the set-point. This mode can be activated by pressing the Right/Speed mode button.

(3) Truck Speed / Current Time

- ① Driving - The truck speed is shown in number. The unit can be km/h or mph according to the cluster setting.
- ② Stopping - The number shows the current time according to the setting, which can be changed by cluster setting.

(4) Hour meter / Load weight

No load – The number shows the hours worked. The letter present beside the hourmeter number shows which hourmeter is displayed.

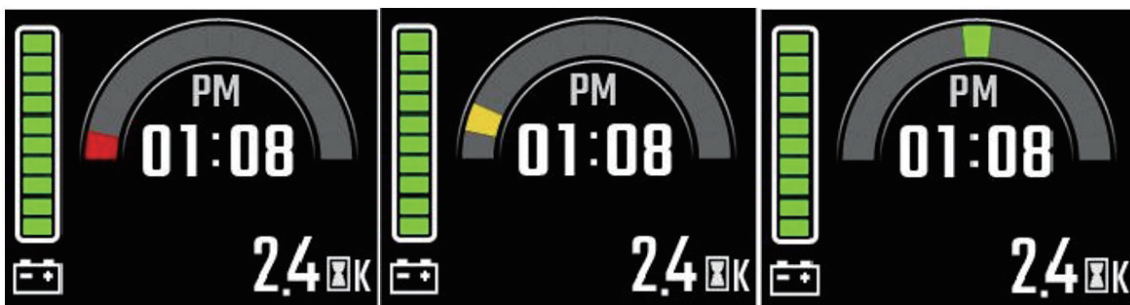
-K : Key Hour shows the truck Key ON time.

-T : Traction Hour shows the Gate ON(driven) time of the traction motor.

-P : Pump Hour shows the Gate ON(driven) time of the pump motor.

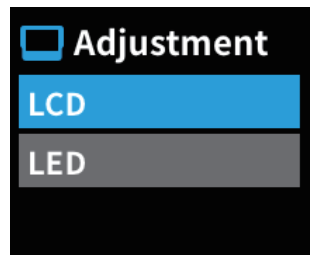
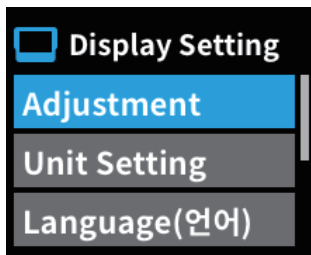
(5) Steering angle (Depeding on the model, it may not be supported.)

The steering angle is displayed.

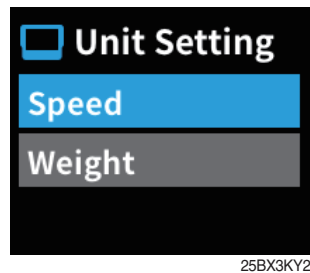
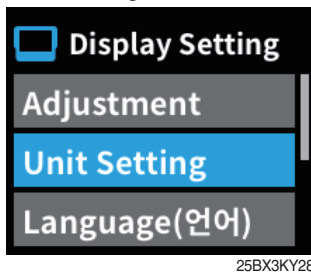


5) HOW TO SET THE CLUSTER MENU

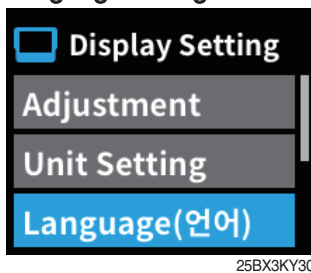
(1) LCD, LED Brightness Adjustment



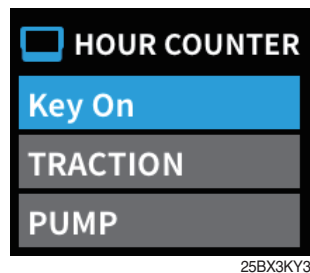
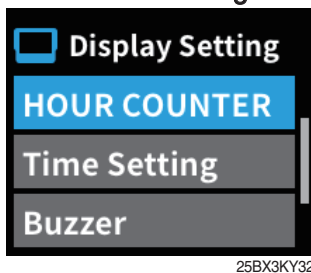
(2) Unit Setting



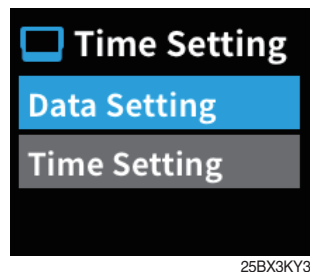
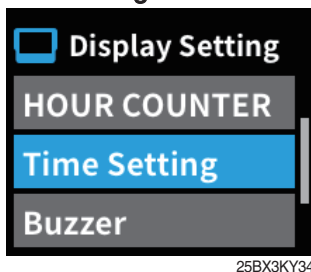
(3) Language setting



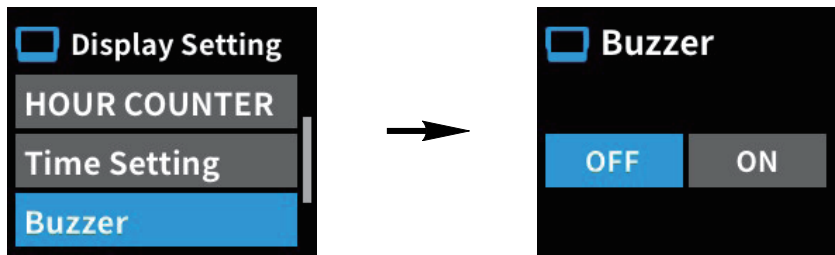
(4) Hour Counter setting



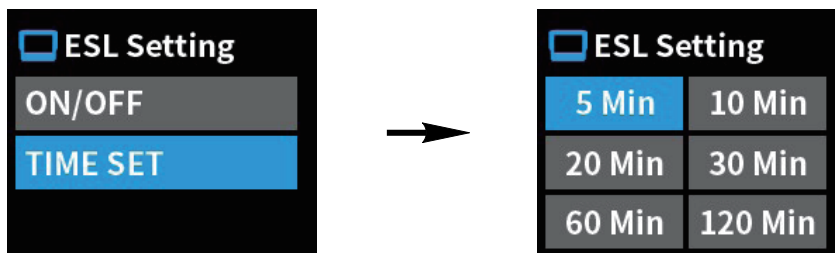
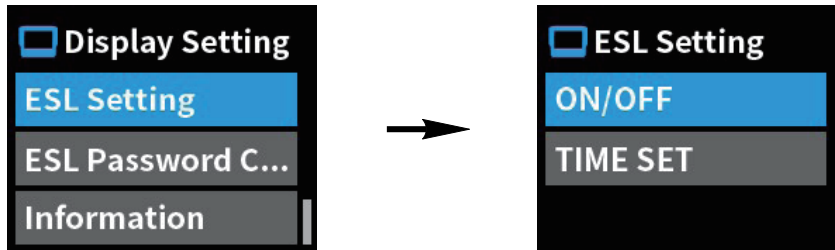
(5) Time setting



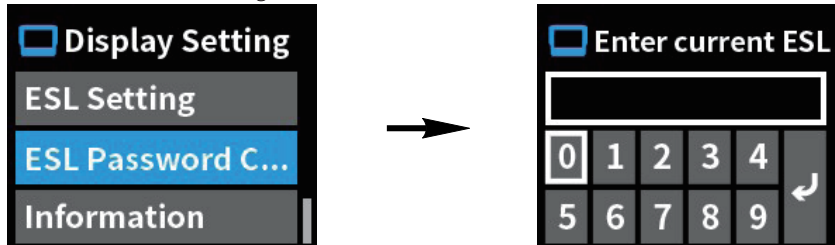
(6) Warning Buzzer (e.g. LOAD WEIGHT)



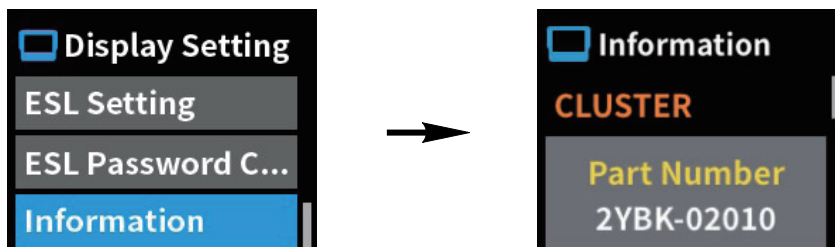
(7) ESL Setting



(8) ESL Password Change

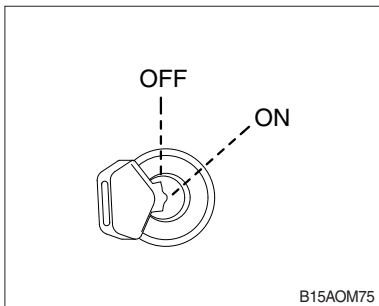


(9) Cluster Information



5. OPERATING SWITCHES AND LEVERS

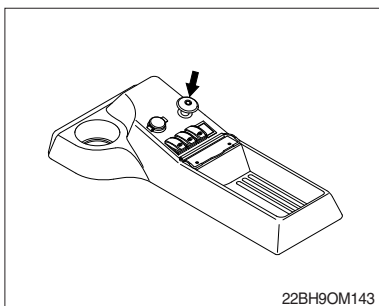
1) KEY SWITCH



(1) Power is supplied to the control circuit through this switch, which is placed on OFF → ON clockwise.

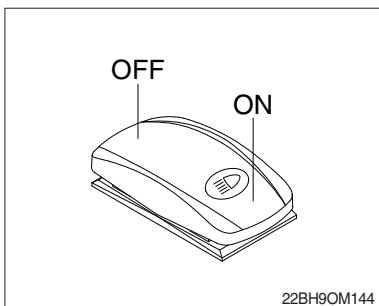
- ① OFF : The key can be removed or inserted and power is turned off.
- ② ON : Both control circuits for hydraulics and running can be activated.

2) EMERGENCY SWITCH



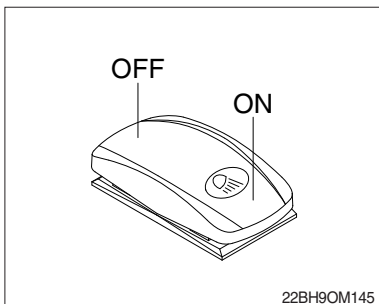
(1) When pressing the emergency switch downward the electric circuit is broken, all electrical function switch is off.

3) HEAD LAMP SWITCH



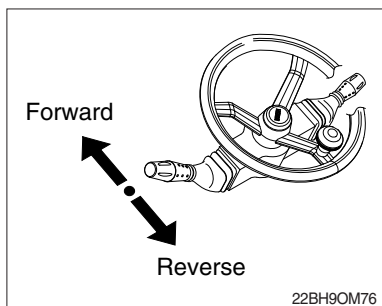
(1) This switch is used to operate head lamps.
Press this switch to turn on head lamps.

4) WORK LAMP SWITCH



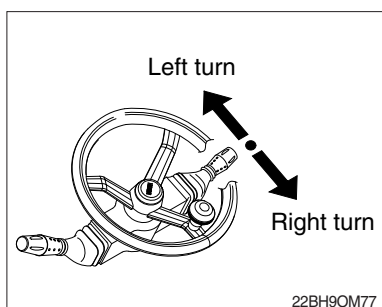
(1) This switch is used to operate work lamps.
Press this switch to turn on work lamps.

5) DIRECTIONAL CONTROL LEVER



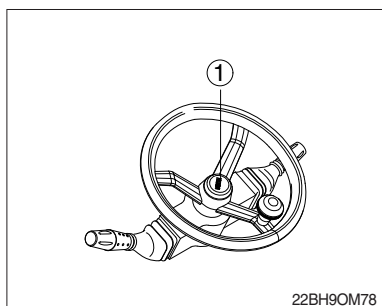
- (1) This lever serves to make forward/backward directional changes. For the forward directions, place the lever on the FORWARD position.
- (2) In the neutral, the running control circuits is turned off.
- (3) For the backward direction, place the lever on the REVERSE position.
- (4) The electrical brake will be applied by shifting the lever to the opposite position of running direction.

6) FLASHER SWITCH



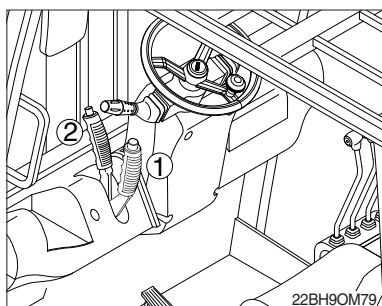
- (1) When making a left or right turn, use this switch to flash the flash lamp to indicate which direction the vehicle is turning to.
- (2) For a right turn, place the switch on the BACKWARD position.
- (3) For a left turn, place the switch on the FORWARD position.

7) HORN BUTTON



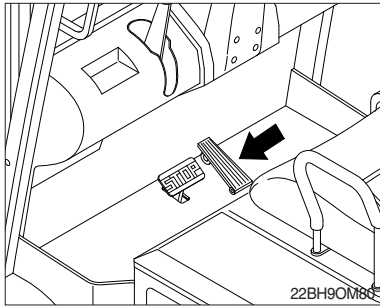
- (1) When the button (①) is pressed, the horn will sound.
- ① Steering wheel center

8) PARKING BRAKE LEVER



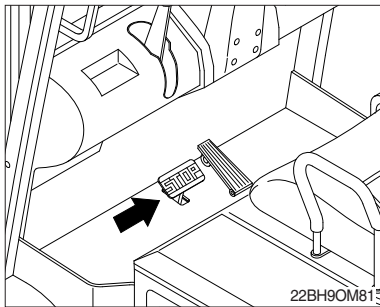
- (1) **Position ①**
Parking brake is applied and front wheel is locked.
 - (2) **Position ②**
Parking brake is released .
- ※ **Before the truck start, confirm the parking brake is in released position.**

9) ACCELERATOR PEDAL



- (1) This pedal is used to vary running speed, which depends upon how far the pedal is depressed.
- (2) In running, the electrical brake will be smoothly applied by shifting the direction lever to the position opposite to the direction of vehicle advanced, and if the pedal is further depressed, the vehicle will run to the opposite direction after stopping once.

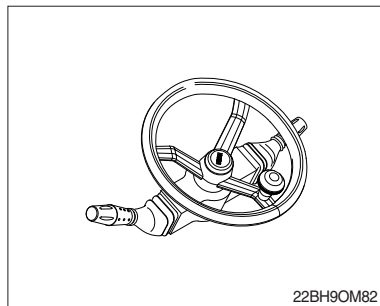
10) BRAKE PEDAL



- (1) When this pedal is depressed, the vehicle is braked, while the braking lamps attached on the rear light.

▲ Special care should be required for the operation of the brake at loading.

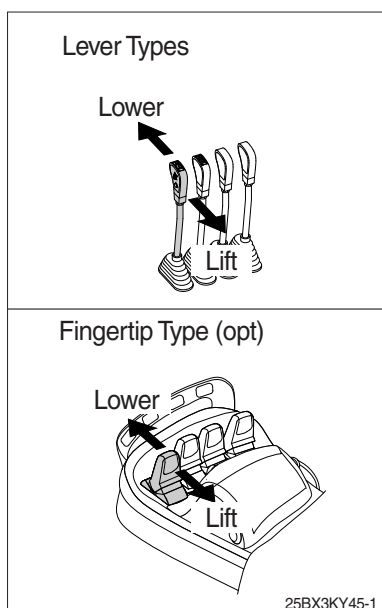
11) STEERING WHEEL



- (1) The steering wheel of the vehicle is provided with the knob to allow steering with one hand.
- (2) Perform the loading operation with the right hand and operate the steering wheel with the left hand.
- (3) Adjustable steering column enables selection of the best driving position.

▲ Particular care should be taken for the rapid operation of the steering wheel.

12) LIFT LEVER

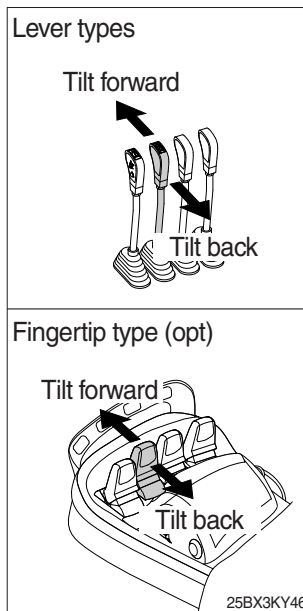


- (1) **Lift**
Pulling the lever (fingertip) backward ascends the forks.

- (2) **Lower**
Pushing the lever (fingertip) forward descends the forks.

- (3) **Hold**
Releasing the lever (fingertip) when forks are lifted (or lowered) to desired position holds the forks at the position.

13) TILT LEVER



(1) Tilt forward

Pushing the lever (fingertip) forward tilts the mast forward.

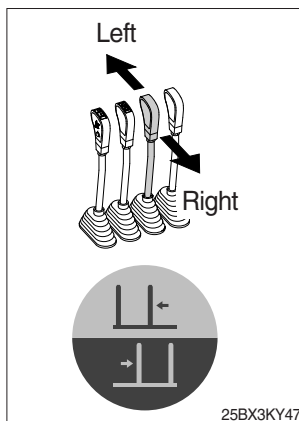
(2) Tilt back

Pulling the lever (fingertip) backward tilts the mast backward.

(3) Hold

Releasing the lever (fingertip) stops movement of the mast.

14) LEVER FOR SIDE SHIFT



(1) LH movement

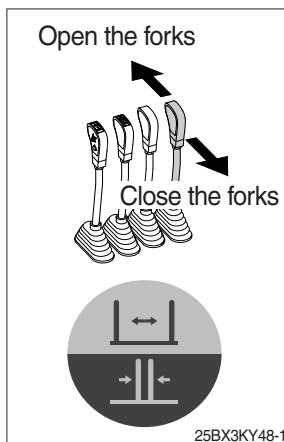
Push the lever forward to move the carriage left.

(2) RH movement

Pull the lever backward to move the carriage right.

15) FORK POSITIONER (SYNCHRONIZER) WITH SIDE SHIFT

(1) Fork positioner



① Open the forks

Push the lever forward to outstretch both forks simultaneously outward.

② Close the forks

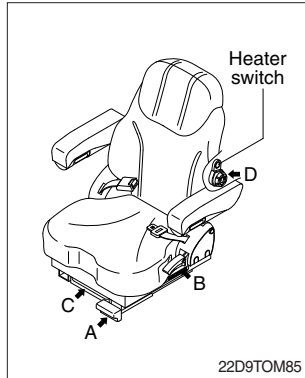
Pull the lever backward to pucker up both forks simultaneously inward.

6. SEAT ADJUSTMENT

1) SEAT ADJUSTMENT

The seat adjustable to fit the contours of the operator's body. It will reduce operator fatigue due to long works hours and enhance work efficiency.

Grammer seat



(1) Forward/Backward adjustment (A)

- ① Pull lever A to adjust seat forward or back ward.
- ② The seat can be moved forward 120 mm and backward 90 mm (stroke : 210 mm).

(2) Reclining adjustment (B)

Pull lever B to adjustment seat back rest.

(3) Weight adjustment (C)

Adjustment range : 45~170 kg

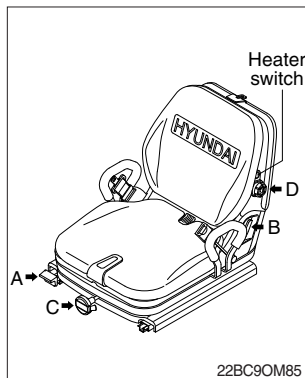
(4) Lumbar adjustment (D)

Turn line knob D to adjust lumbar support up and down.

(5) Heated seat switch (option)

Press this switch in order to heat the seat.

KAB seat



(1) Forward/Backward adjustment (A)

- ① Pull lever A to adjust seat forward or back ward.
- ② The seat can be moved forward and backward 80 mm (stroke : 160 mm).

(2) Reclining adjustment (B)

Pull lever B to adjustment seat back rest.

(3) Weight adjustment (C)

Adjustment range : 50~140 kg

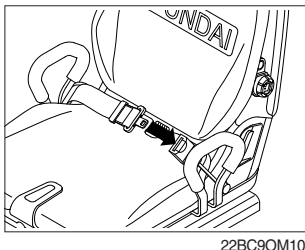
(4) Lumbar adjustment (D)

Turn line knob D to adjust lumbar support up and down.

(5) Heated seat switch (option)

Press this switch in order to heat the seat.

2) BUCKLING UP



- (1) Buckling up. Be sure that you put on the seat belt. Connect and adjust the seat belt strap to a snug, comfortable position.

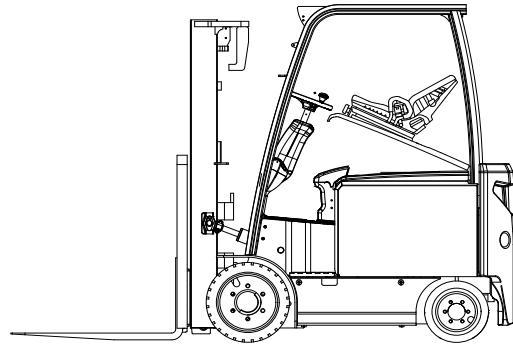
▲ Always wear your seat belt when operating a lift truck.
Failure to wear seat belt will result in injury or death in an event of an accident.

7. BATTERY COMPARTMENT ACCESS

The combination seat deck/battery compartment cover pivots mast to provide access to the battery compartment.

- ※ **You must tilt the steering column & lever forward before raising the cover.**

The cover is closed by a spring latch located at the front edge. Pull the latch to release the cover. A gas spring helps you pivot the cover upward and hold it in the raised position.



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