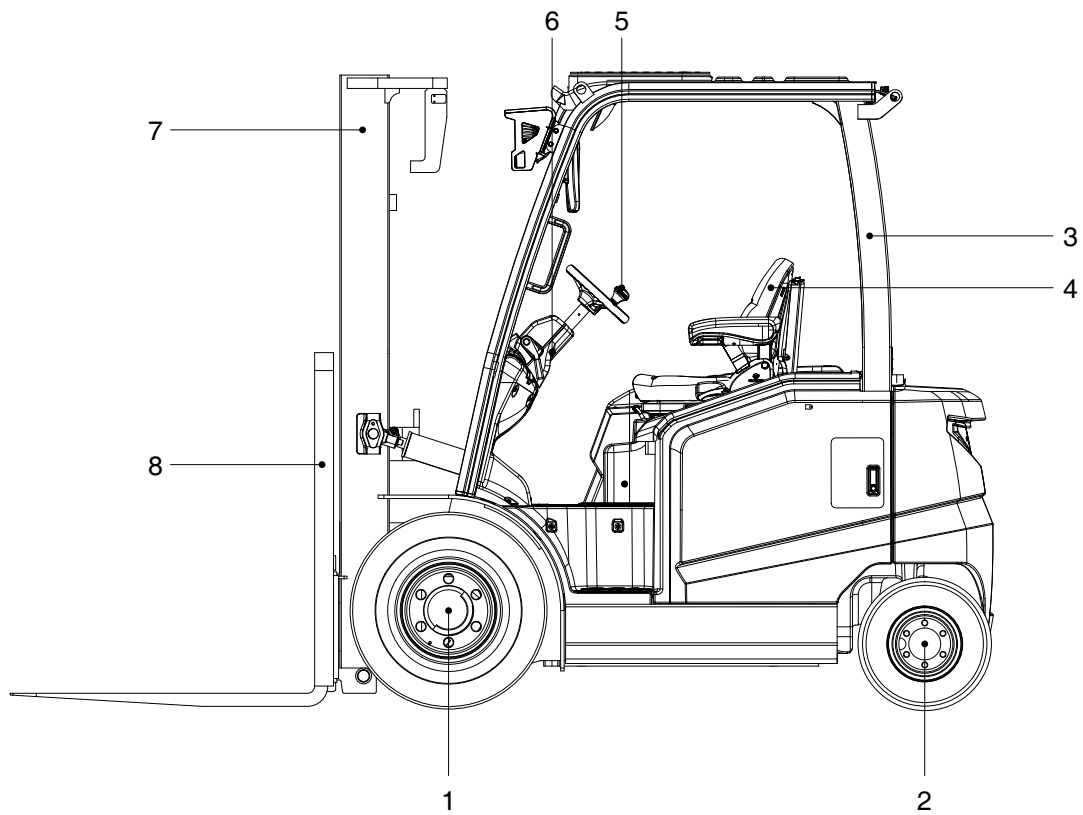


3. KNOW YOUR TRUCK

1. GENERAL LOCATIONS



25BX3KY01

- | | | | | | |
|---|-------------------------------|---|-----------------|---|-----------------------|
| 1 | Driving axle, tire and wheel | 4 | Operator's seat | 7 | Mast |
| 2 | Steering axle, tire and wheel | 5 | Steering wheel | 8 | Carriage and backrest |
| 3 | Overhead guard | 6 | Direction lever | | |

2. NAME PLATE

1) NAME PLATE OF LIFT TRUCK

HYUNDAI GENUINE FROM THE FACTORY THIS TRUCK MEETS ISO 6055
75, Yulgok-ro, Jongno-gu, Seoul 03058, Korea

MODEL: _____ TYPE: _____

PRODUCT IDENTIFICATION NUMBER _____

ATTACHMENTS: _____

MAX LIFTING HEIGHT 'A' _____ mm

LOAD CAPACITY: Vertical _____ kg Forward Tilt _____ kg

Truck Weight (without battery) _____ kg

Battery DIM. limits (LxWxH) _____ mm

Max Battery _____ kg Min Battery _____ kg

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

Capacities are for centered loads with Listed Attachments and/or forks with mast in the vertical position on a level working surface.

LOAD CENTER 'B' _____ mm

MADE IN KOREA 91FY-00189

HYUNDAI GENUINE FROM THE FACTORY THIS TRUCK MEETS ANSI B56.1
75, Yulgok-ro, Jongno-gu, Seoul 03058, 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. _____

Capacities are for centered loads with Listed Attachments and/or forks with mast in the vertical position on a level working surface.

LOAD CENTER 'B' _____ mm

MADE IN KOREA 91FY-00228

(1) Truck model name or number

(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 HYUNDAI dealer. The serial number is also stamped on the top of the right fender.

(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

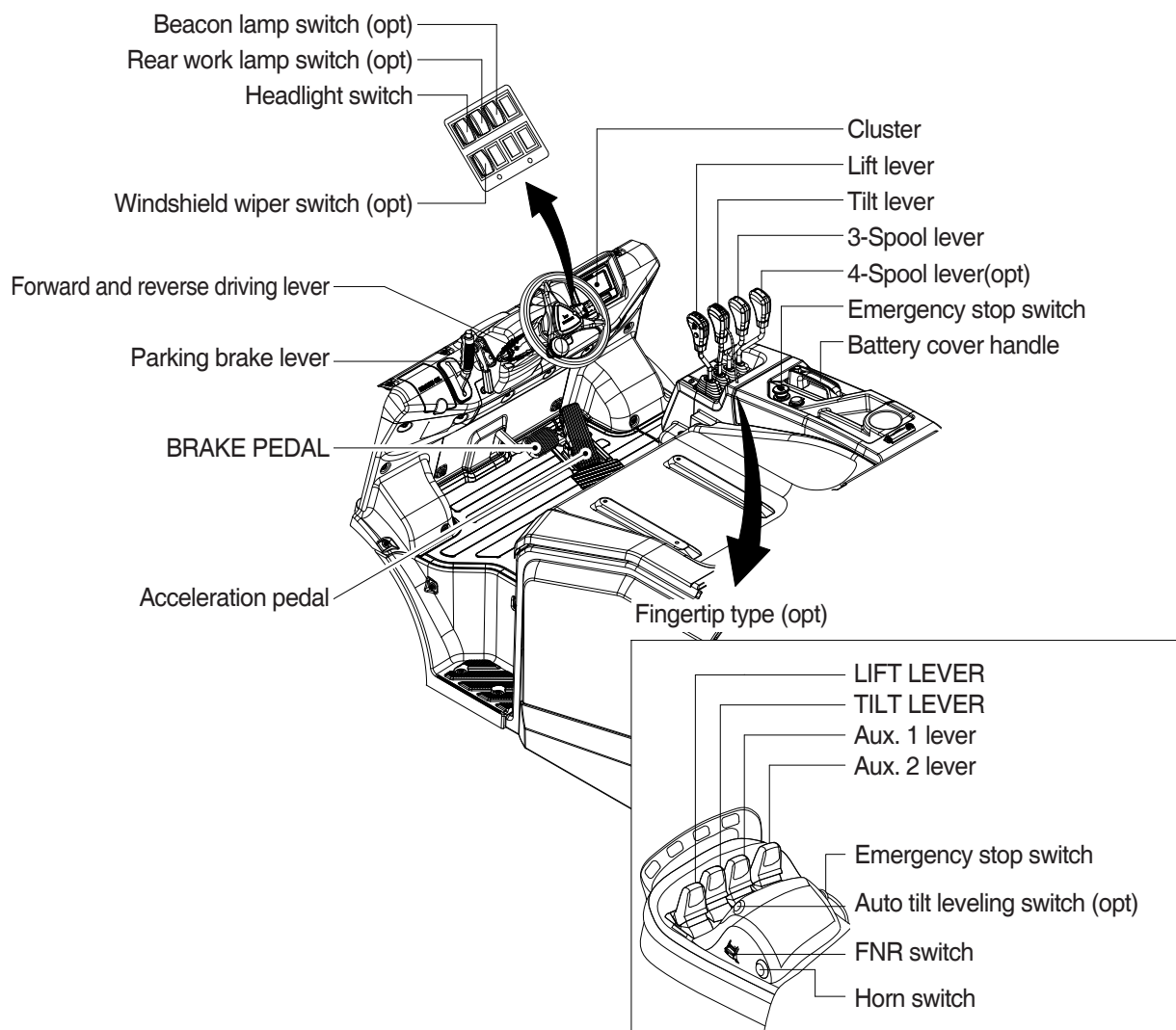
The approximate weight of the truck without a load on the forks. This weight plus the weight of the load must be considered when operating on elevators, elevated floors, etc. to be sure they are safe.

(6) Battery weight and system voltage

- ▲ Before modifications that affect the stability of safety systems are made only after obtaining written approval from HYUNDAI. This is an OSHA requirement. Contact your authorized HYUNDAI dealer for a new nameplate showing the revised capacity.

3. CAB DEVICES

1) LOCATIONS AND NAMES

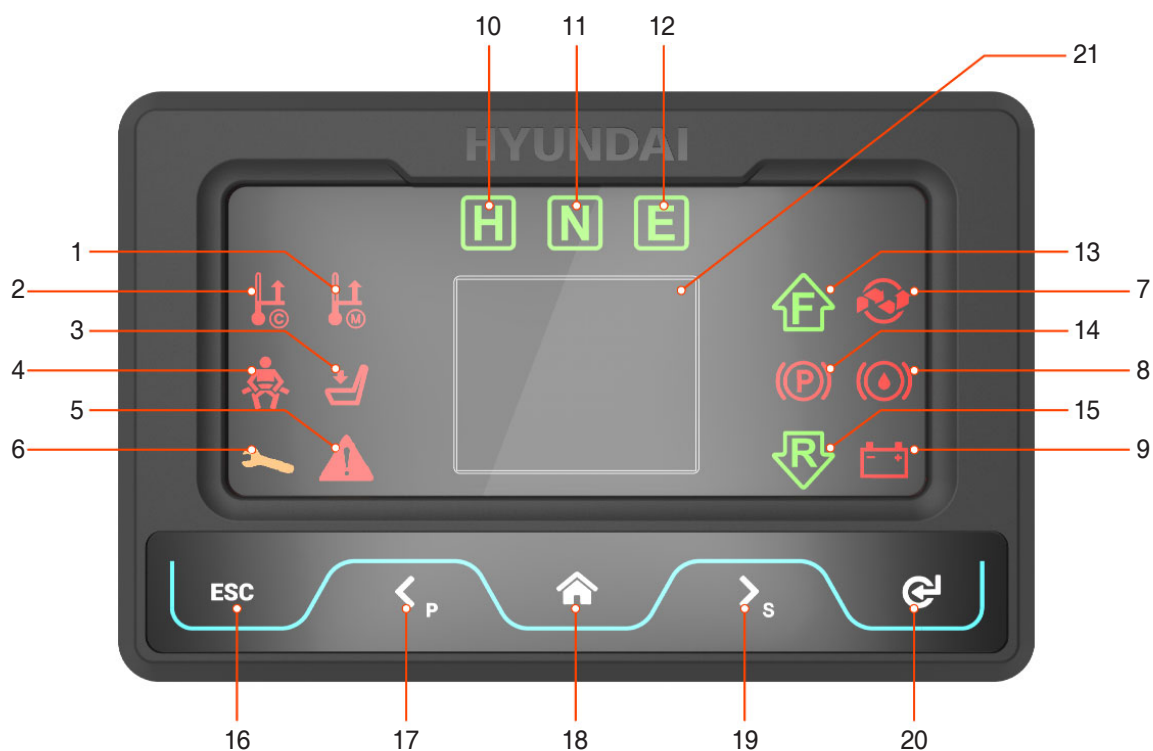


25BX3KY02K

4. CLUSTER

1) STRUCTURE

There are 15 LED indicators (red, orange and green) on the cluster. LCD will indicate the operation and abnormal status of truck to the driver in order to use and maintenance.

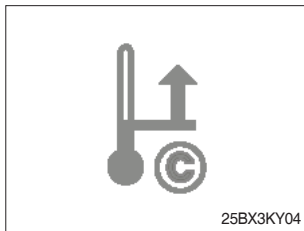


25BX3KY03

- | | | |
|---|-----------------------------------|-----------------------------------|
| 1 Motor high-temperature warning lamp | 8 Brake oil warning lamp | 15 Reverse driving indicator lamp |
| 2 Controller high-temperature warning lamp | 9 Battery charging warning lamp | 16 Cancel button |
| 3 Seat warning lamp | 10 H power mode indicator lamp | 17 Left/power mode button |
| 4 Seat belt warning lamp | 11 N power mode indicator lamp | 18 Home button |
| 5 Caution warning lamp | 12 E power mode indicator lamp | 19 Right/speed mode button |
| 6 Alarm warning lamp | 13 Forward driving indicator lamp | 20 OK button |
| 7 Consumable exchange warning lamp (not in use) | 14 Parking brake indicator lamp | 21 Main screen |

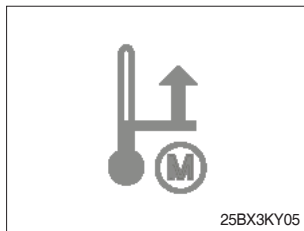
2) WARNING LAMP

(1) Motor high-temperature warning lamp



Lights up when temperature of motor rises.

(2) Controller high-temperature warning lamp



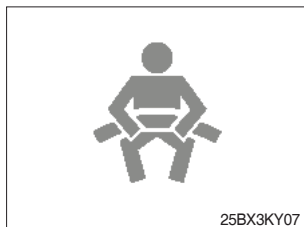
Lights up when temperature of controller rises.

(3) Seat warning lamp



Lights up when operator leaves the seat.

(4) Seat belt warning lamp



Lights up when operator does not wear the seat belt.

(5) Caution warning lamp



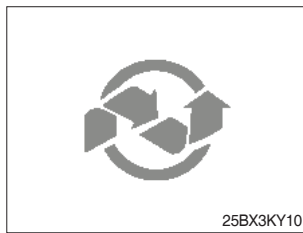
Lights up for cautions (e.g., operation sequence error, controller overheat, brake oil alarm).

(6) Alarm warning lamp



Lights up for warnings (e.g., communication time exceeded, encoder failed, main contactor open alarming).

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



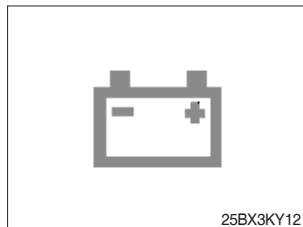
Warning lamp not in use

(8) Brake oil warning lamp



Lights up when brake oil level is low.

(9) Battery charging warning lamp



Lights up when battery charging voltage is low.

3) INDICATOR LAMP

(1) H power mode indicator lamp



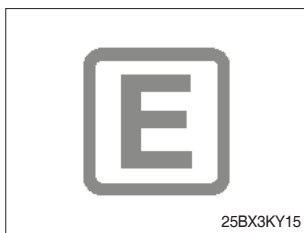
Lights up when Power Mod is High.

(2) N power mode indicator lamp



Lights up when Power Mod is Normal.

(3) E power mode indicator lamp



Lights up when Power Mod is Eco.

(4) Forward driving indicator lamp



Lights up when truck drives forward.

(5) Parking brake indicator lamp



Lights up when parking brake is applied.

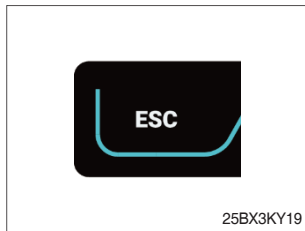
(6) Reverse driving indicator lamp



Lights up when truck drives reverse.

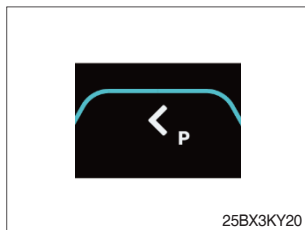
4) BUTTON

(1) Cancel button



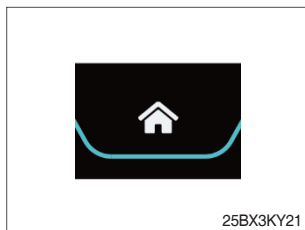
Press when canceling a function or to return to the previous menu.

(2) Left/power mode button



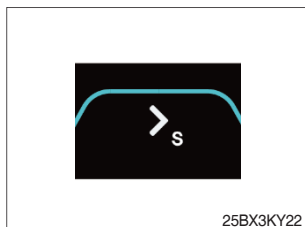
- ① Press when moving to menus on the left or the top.
- ② Press when switching between power modes (H/N/E).

(3) Home button



Press when moving between Home and Menu screen.

(4) Right/speed mode button



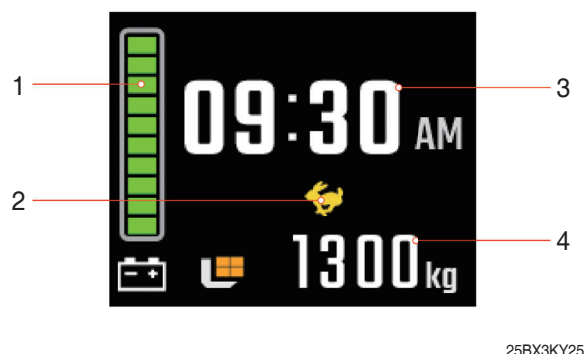
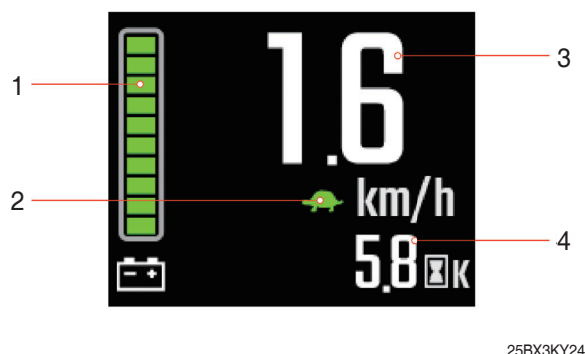
- ① Press when moving to menus on the right or the bottom.
- ② Press when switching between speed modes (turtle/rabbit).

(5) OK button



Press to select menu.

4) MAIN SCREEN



- 1 Battery level
- 2 Speed mode

- 3 Speed/time
- 4 Truck operation time/weight

(1) Battery level

The battery level is displayed with ten bars. Each bar represents 10% of charging capacity. When the battery is discharged, the bars are extinguished one by one proportional with charged battery capacity.

Remainder of battery capacity %	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

(2) Speed mode

Turtle and Rabbit icons are normally turned off. When Turtle icon is turned on, the maximum speed is reduced independent from truck power mode. When Rabbit icon is turned on, the maximum speed is increased independent from truck power mode. It is possible to press Speed Mode button to change the mode.

(3) Speed/time

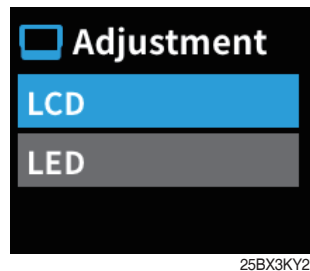
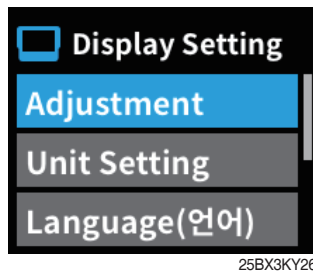
- ① While driving: Truck driving speed is indicated. It is possible to change the unit to km/h or mph.
- ② While stopping: The current time is indicated. It is possible to change the current time.

(4) Truck operation time/weight (opt)

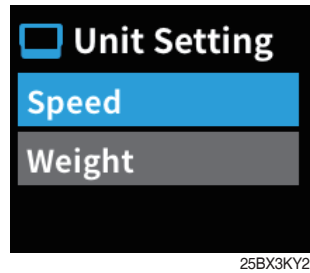
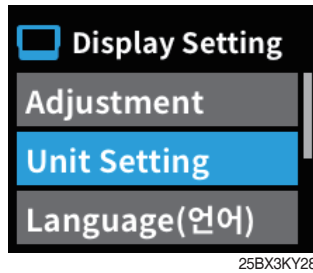
- ① Non-load condition: English letter after the number indicates the time as follows:
 - K : Truck operation time (key on)
 - T : Travel time (traction)
 - P : Hydraulic system operation time (pump)
- ② Loaded condition (opt): Weight of cargo under transportation is indicated.

5) MENUS

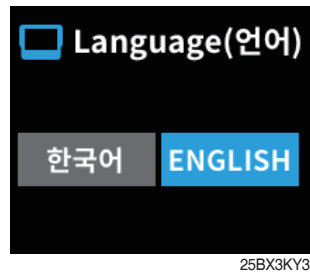
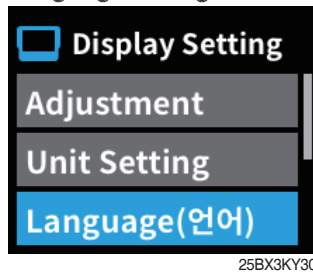
(1) Screen setting



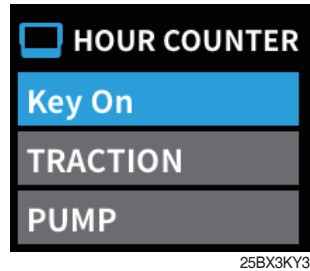
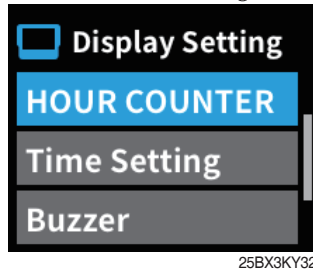
(2) Unit setting



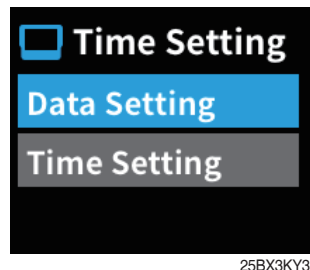
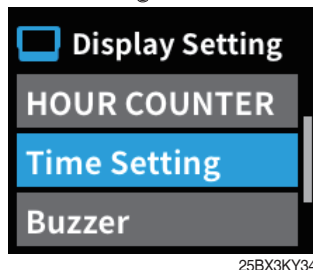
(3) Language setting



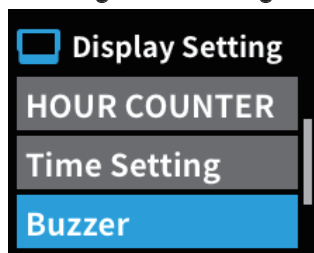
(4) Hour Counter setting



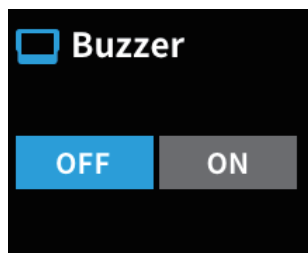
(5) Time setting



(6) Warning sound setting

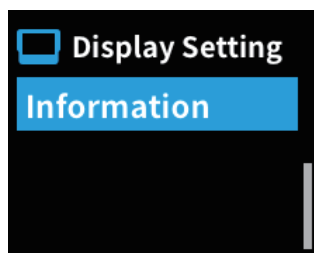


25BX3KY56



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(7) Controller information



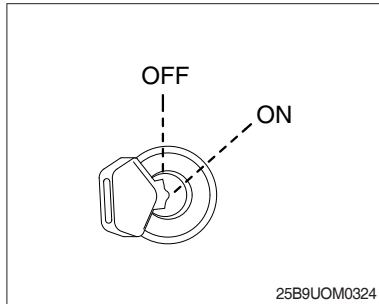
25BX3KY36



25BX3KY37

5. SWITCHES AND LEVERS

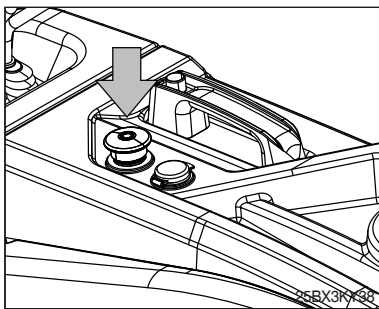
1) START SWITCH



The switch supplies power to control circuit, and operates in sequence of OFF → ON clockwise.

- OFF : Power off
- ON : Power ON and truck got ready for operation

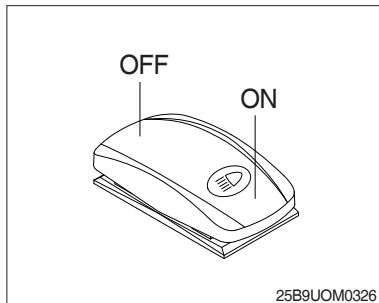
2) EMERGENCY STOP SWITCH



Press down the emergency stop switch down interrupts electric circuits, and all of functions are disabled.

When the truck is not for extended period of time, store the truck with the switch pressed. Press the emergency switch when charging the battery. When operating the truck after charging, release the switch , and then press Start switch 5 seconds later.

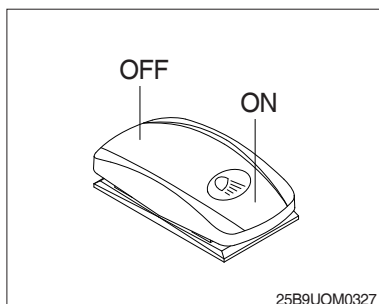
3) HEADLIGHT SWITCH



Press the switch to operated the headlight on.

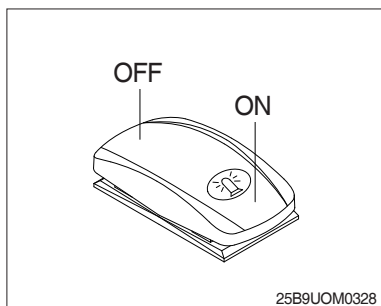
Press the switch to turn the headlight on.

4) REAR WORK LAMP SWITCH (OPT)



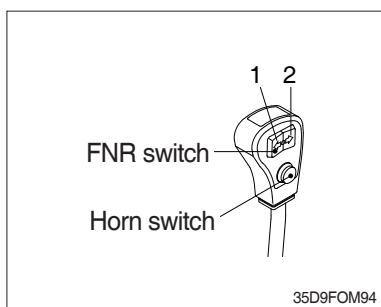
Press the switch to operated the rear work lamp on. Press the switch to turn the rear work lamp on.

5) BEACON LAMP SWITCH (OPT)



Press the switch to turn the beacon lamp on.

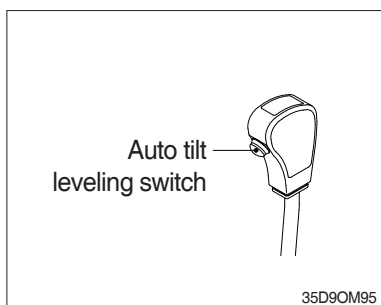
6) FNR AND HORN SWITCH (OPT)



·FNR switch: (1) forward, (2) reverse

·Horn switch: The horn sounds when the button is pressed.

7) AUTO TILT LEVELING SWITCH (opt)



(1) When the lever is operated on pressing this auto tilt leveling switch, the auto tilt leveling function is activated.

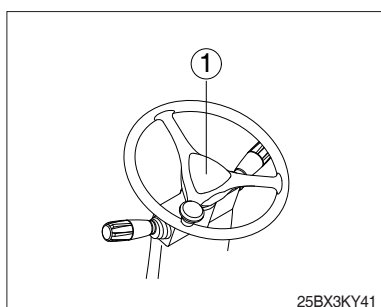
(2) This function is mast tilt angle adjust to zero degree (0°) (vertical).

※ This function has to be used at the engine low idle rpm and stop position. If this function is activated at the high idle rpm or during starts, the mast stop at upright vertical position is not guaranteed.

※ Operate the auto tilt function with non-load conditions.

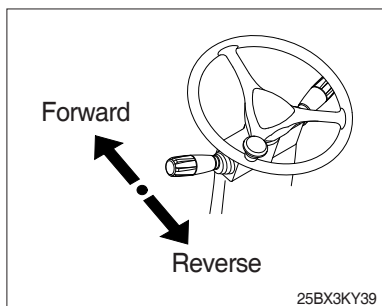
⚠ When used in load condition, the load on the fork may fall down.

8) HORN SWITCH



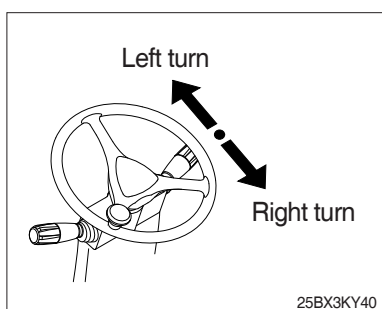
The horn sounds when the button (①) is pressed.

9) FORWARD AND REVERSE DRIVING LEVER



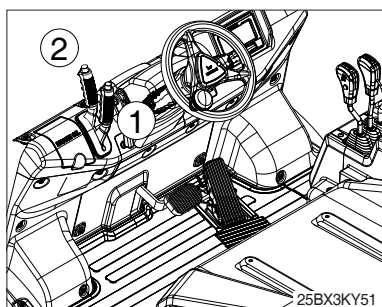
- (1) The lever switches driving direction to forward or reverse. Push the lever forward to driving the truck in forward direction.
- (2) When the lever is on neutral position, control switch is turned off.
- (3) Pull the lever backward to driving the truck in reverse direction.
- (4) When switching the driving direction to opposite direction while driving, electric brake applies.

10) LEFT- AND RIGHT-TURN LEVER



- (1) Pressing the switch blinks flash lamp to indicate turning direction; left or right.
- (2) Pull the lever backward to turn right.
- (3) Push the lever forward to turn left.

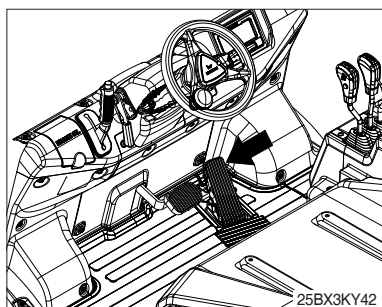
11) PARKING BRAKE LEVER



- ① : Parking brake applied (front wheel fixed)
- ② : Parking brake released

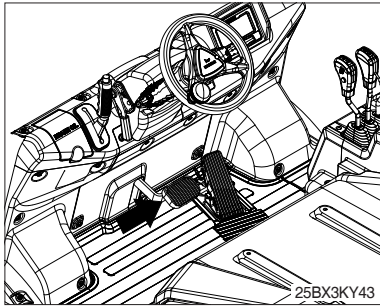
※ Before moving the truck be sure the parking brake lever is released.

12) ACCELERATION PEDAL



- (1) This pedal controls the engine speed.
- (2) When turning the lever in the opposite direction while driving, electric brake applies. When pressing further the pedal, the truck stops, and then drives in the opposite direction.

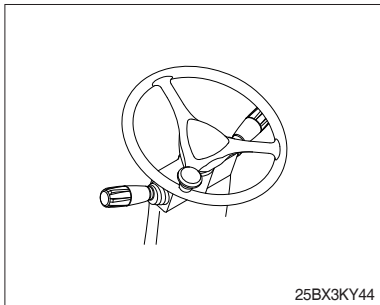
13) BRAKE PEDAL



Pressing the pedal stops the truck, and brake lamp on the rear side lights up.

⚠ Pay special attention to operating the brake when moving cargo.

14) STEERING WHEEL



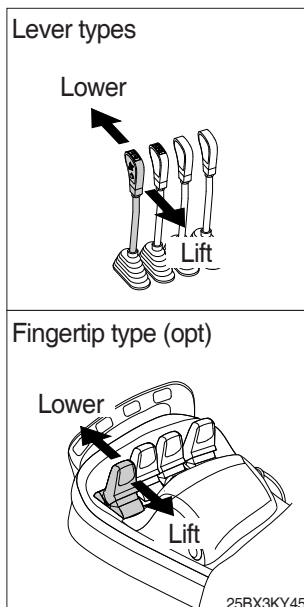
(1) A knob is mounted on the wheel for handling the steering wheel with a hand.

(2) It is allowed to perform unloading work with the right hand, and handle the steering wheel with the left hand.

(3) It is possible to enhance driving convenience by adjust the steering column.

⚠ Rapid handling of the steering wheel may cause risky situation.

15) LIFT LEVER



(1) Lift

Pulling the lever (fingertip) backward ascends the forks.

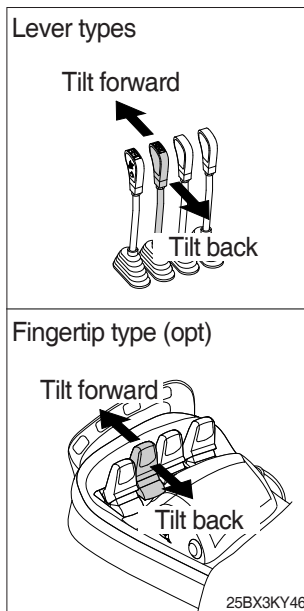
(2) Lower

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.

16) TILT LEVER



(1) Tilt forward

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

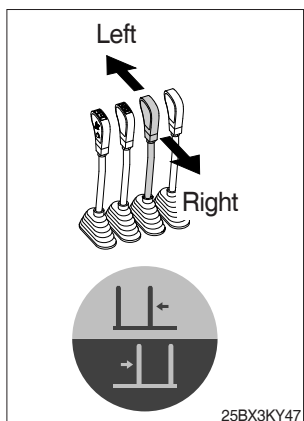
(2) Tilt back

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

(3) Hold

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

17) LEVER FOR SIDE SHIFT



(1) LH movement

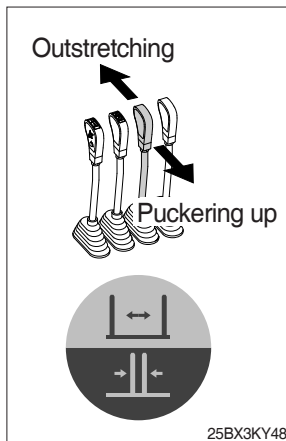
Push the lever forward to move the carriage left.

(2) RH movement

Pull the lever backward to move the carriage right.

18) LEVER FOR SIDE SHIFT WITH FORK POSITIONER

(1) Fork positioner (synchronizer type)



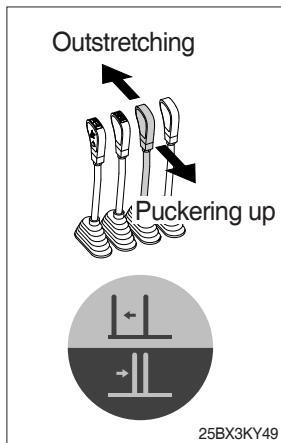
① Outstretching the forks

Push the lever forward to outstretch both forks simultaneously outward.

② Puckering up the forks

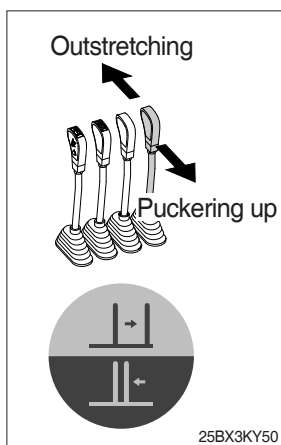
Pull the lever backward to pucker up both forks simultaneously inward.

(2) Fork positioner (independent type)



① LH fork movement

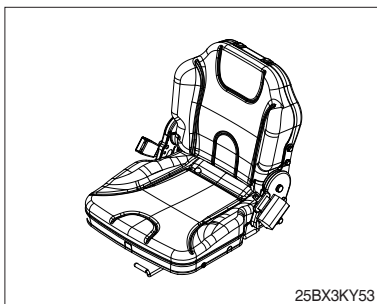
Push the lever forward to move the LH fork outward.
Pull the lever backward to move the LH fork inward.



② RH fork movement

Push the lever forward to move the RH fork outward.
Pull the lever backward to move the RH fork inward.

17) SEAT SWITCH



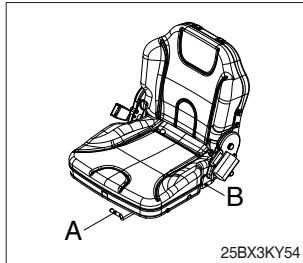
The switch is automatically turned on when operator sits on seat.

⚠ The truck starts only when the seat switch is turned on.

6. OPERATOR'S SEAT ADJUSTMENT

It is allowed to adjust operator's seat adequate for body of operator to reduce fatigue during driving, and enhance work efficiency.

1) OPERATOR'S SEAT



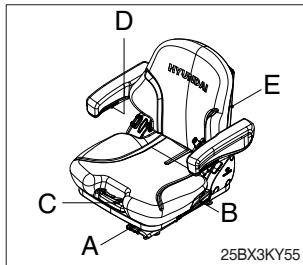
(1) Front/rear adjustment (A)

- ① Pull Lever A to adjust the seat back and forth.
- ② It is allowed to adjust forth up to 72 mm, and back up to 84 mm (stroke: 156 mm).

(2) Backrest adjustment (B)

Pull Lever B to adjust the angle of backrest.

2) OPERATOR'S SEAT (GRAMMER, OPT)



(1) Front/rear adjustment (A)

- ① Pull Lever A to adjust the seat back and forth.
- ② It is allowed to adjust forth up to 120 mm, and back up to 90 mm (stroke: 210 mm).

(2) Backrest adjustment (B)

Pull Lever B to adjust the angle of backrest.

(3) Weight adjustment (C)

Turn Screw C with socket wrenches without sitting on the seat to adjust weight.

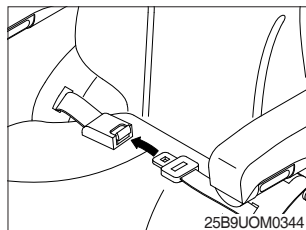
(4) Armrest adjustment (D)

Rotate Adjustment Knob D to adjust the angle.

(5) Heater switch (E, opt)

Heater is turned on and off with the switch.

3) SEAT BELT



- (1) Never forget wearing the seat belt before starting the truck.
Adjust tension of the seat belt before wearing it.

⚠ Always wear the seat belt before driving the truck to prevent safety accident.

Failing in wearing the seat belt may cause personal injury in accident.

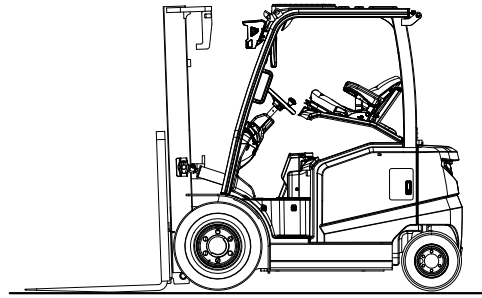
⚠ Check the seat belt for any abnormal conditions before starting the truck.

⚠ Replace the seat belt every three years even if there is no apparent defects on the belt.

7. BATTERY COVER

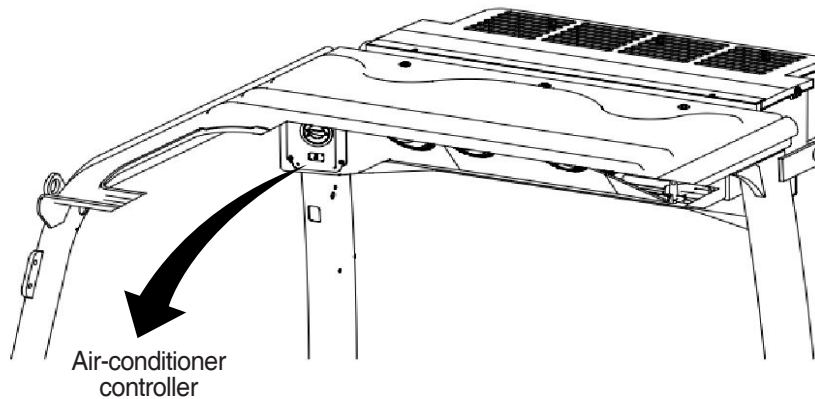
Hold the handle on the top of the battery cover to lift the cover for inspecting and servicing the battery.

- ※ Fix the steering column forward before opening the battery cover.
- ※ Pull the handle of the latch or press the button on the handle of the battery cover to open the cover. Opening and closing the battery cover is made with gas spring. Lifted cover is kept at the position.



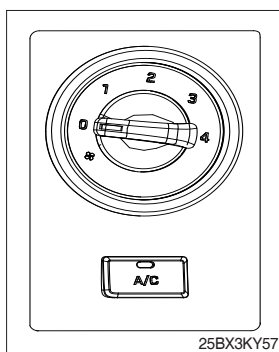
25BX3KY52

8. AIR-CONDITIONER AND HEATER (OPT)



25BX3KY56

1) AIR-CONDITIONER CONTROLLER



- (1) When you turn the A/C button and lever, air-conditioner operates.
- (2) Determines whether to perform a cooling function of air conditioner by pushing A/C button.
 - ① Indicator lamp ON: Air-conditioner operating
 - ② Indicator lamp OFF: Fan only operating
- (3) Airflow is adjusted in one of four steps.
- (4) Airflow and discharge port temperature are reverse proportional to each other.
- (5) ① Discharge port temperature gets higher when airflow is smaller. Keep motor-driven compressor at Ambient pressure before restarting air-conditioner after turning off the conditioner.
- (6) Compressor gets ready for operating up to five times when restarting. When ambient pressure is realized within the period, compressor normally operated. Otherwise, compressor again gets ready for operating five times one minute later. Error codes may blink three or four times, which are removed once normal operation is made.

2) ERROR CODE TYPES AND TROUBLESHOOTING (NUMBER OF BLINKS OF BLUE LAMP ON THE A/C BUTTON)

Once : Compressor overheated: Check assembly conditions, and reduce air-conditioner airflow.

Twice: Compressor & wire assembly defective, inverter device error: Check compressor and wire assembly, replace inverter.

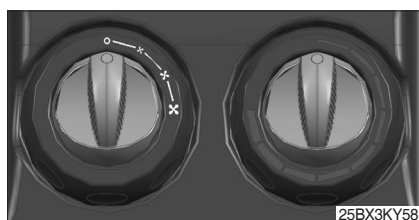
3 times : Short inside the system: Replace wire and inverter, attempt restart until ambient pressure is applied.

4 times : Abnormal voltage: Replace inverter, and attempt restarts till ambient pressure is applied.

5 times : Inverter overheated: Operate air-conditioner.

Note : "Beep" sound during operation is a normal operation sound.

3) HEATER



(1) Left lever

- ① Turning the lever clockwise operates the heater.
- ② Airflow is adjusted in one of three steps.

(2) Right lever

- ① It is possible to adjust temperature.