

**Key Points**

Please carefully read, understand and follow these safety rules and operation instructions before operation. Only those well trained and authorized personnel can handle the machine. Please consider the manual as part of the machine and keep together. If you have any questions, please contact Hunan Sinoboom Heavy Industry Co., Ltd by phone calls.

**Table of Contents**

Specifications ..... 1

Vehicle instructions ..... 2

Safety rules ..... 4

    Electric shock ..... 5

    Tilting risk ..... 6

    Falling risk ..... 7

    Collision risk ..... 8

    Crushing risk ..... 9

    Parts damaging risk ..... 9

    Explosion and fire risk ..... 9

    Machine damaging risk ..... 9

    Body injury risk ..... 9

    Safety of welding line through platform 9

    Battery safety ..... 10

Preoperational check ..... 11

    Symbol descriptions ..... 11

    Preoperational check ..... 12

    Machine check ..... 12

    Parts check ..... 12

    Hydraulic oil level check ..... 13

    Battery check ..... 13

    Inspect battery power ..... 14

Functional test ..... 15

    Test preparation ..... 15

    For ground controller ..... 15

        Emergency stop test ..... 15

        Lifting function test ..... 15

        Emergency lowering function test ..... 16

    Control Box (Deltatech system) ..... 17

    Emergency Stop Testing ..... 17

    Horn Testing ..... 17

    Enable Switch Testing ..... 17

    Up and down testing ..... 17

    Steering Testing ..... 18

    Driving and braking testing ..... 18

    Weighting System testing ..... 18

    Limited driving speed test ..... 19

    Level sensor test ..... 19

    Pit protection system test ..... 20

Working site check ..... 21

Operating instructions ..... 22

    Emergency Stop ..... 22

    Auxiliary Lowering ..... 22

    Operations from ground ..... 22

    Platform location adjustment ..... 23

    Operations from platform ..... 23

    Platform location adjustment ..... 23

    Turning ..... 23

    Driving ..... 23

    Platform extension and retraction ..... 23

    Put up/down platform protective guard 24

    Controller operations from ground ..... 24

    Vehicle maintenance after each use ..... 24

Transportation and lifting instructions ..... 25

Marking instructions ..... 28

**Please contact us:**

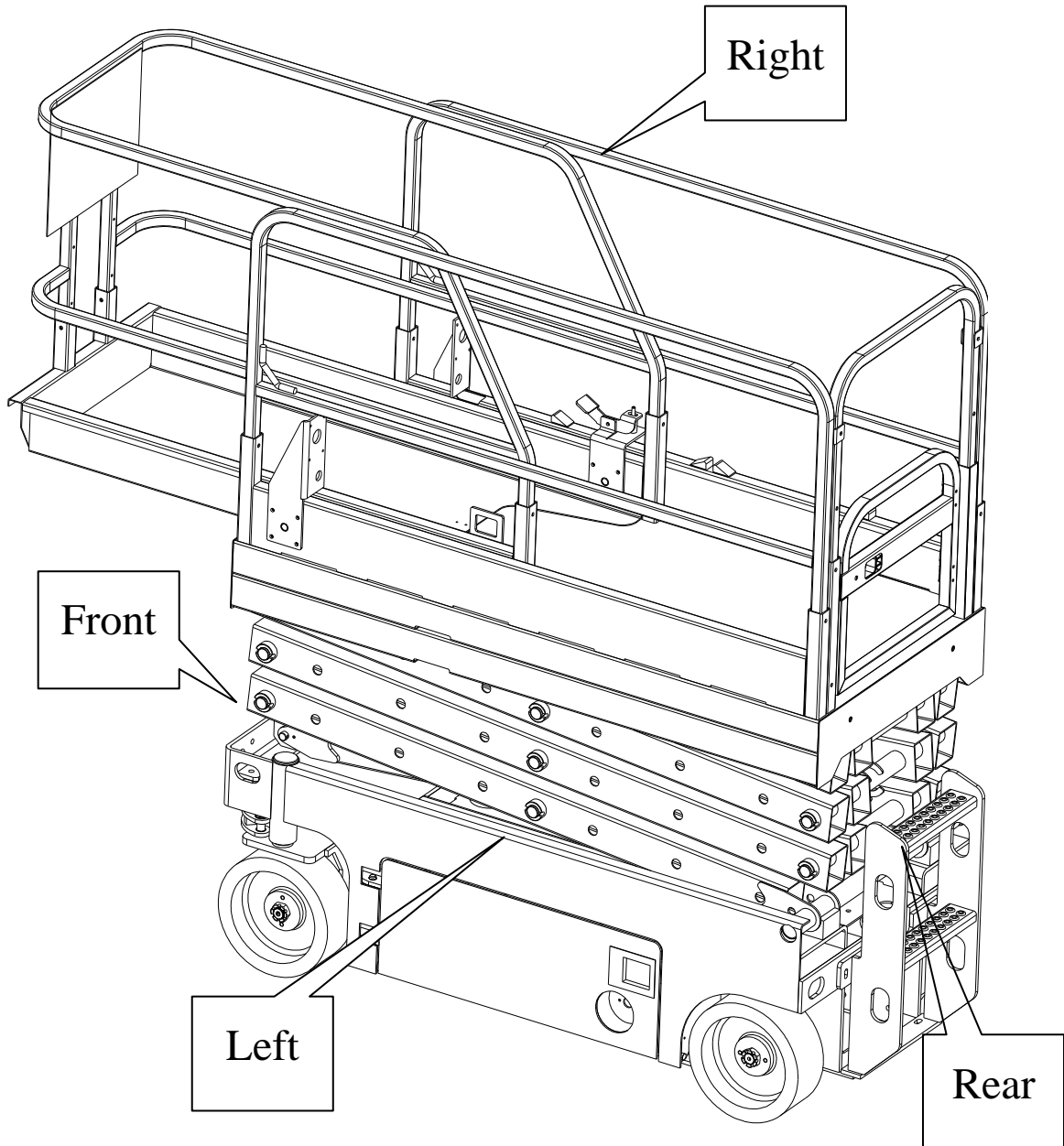
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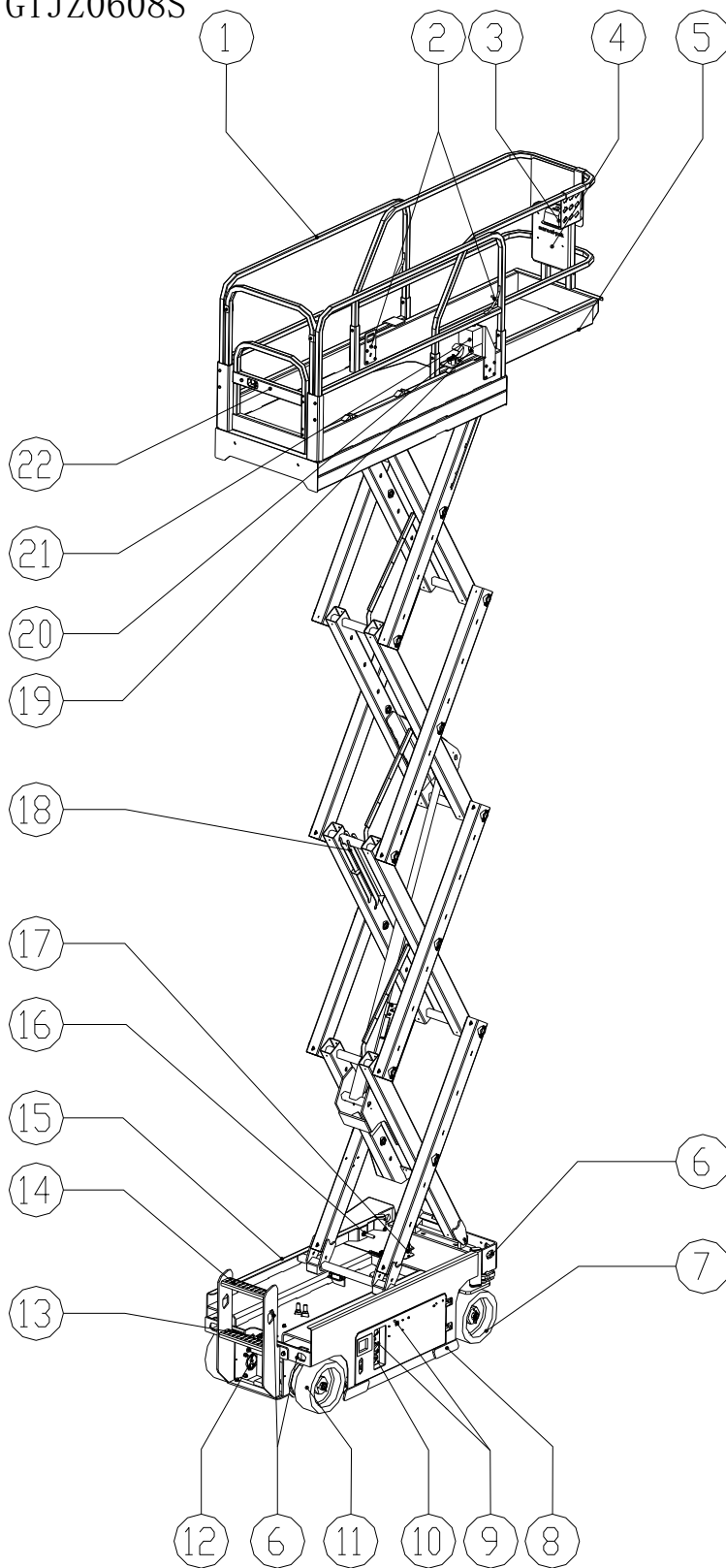
**Specifications**

Specifications	Unit	GTJZ0408S	GTJZ0608S
Dimensions			
Overall length	m	1.78	1.78
Overall width	m	0.77	0.77
Overall height	m	1.90	1.88
Ground clearance	mm	70	70
Ground clearance ( Pit protection device expanded)	mm	19	19
Overall weight	kg	1248	1328
Parameter			
Max. platform height	m	4.6	5.8
Max. working height	m	6.6	7.8
Extension outreach	m	0.9	0.9
Load Capacity	kg	280	230
Wheel base	m	1.3	1.3
Turning radius			
inside	m	0	0
Outside	m	1.48	1.48
Manual force	N	400	400
Voltage	V	24	24
Platform size			
Length	m	1.65	1.65
Width	m	0.75	0.75
Tire			
Dimension	mm	305	305
Width	mm	115	115
Hydraulic volume			
Hydraulic tank volume	L	12	12
Hydraulic system volume	L	16	16
Hydraulic system pressure	bar	240	240
Voltage(DC)	V	24	24
Aerial noise radiance, maximum noise level	dB	72	72
Driving Speed			
stowed	km/h	0~4	0~4
raised	km/h	0~0.8	0~0.8
Gradeability	%	30	30
Lift/down speed (idling)	s	18/31	18/27
Max. allowable wind speed	m/s	0	0
Max allowable slope			
front and rear		3°	3°
left and right		1.5°	1.5°

Vehicle instructions



GTJZ0408S  
GTJZ0608S



- 2 Fixed point
- 3 Control box
- 4 File box (option)
- 5 Extensional plates
- 6 Transport fixed point
- 7 Steering wheel
- 8 Pot hole Fender
- 9 Chassis control box
- 10 LED indicate
- 11 Brake wheel
- 12 Brake
- 13 Manual brake relief valve
- 14 Ladder
- 15 Charger
- 16 Emergency Decline Switch
- 17 Leveling Switch
- 18 Protect arm
- 19 Atmosphere pipe
- 20 Pedal
- 21 Electrical outlet(AC)
- 22 Platform door

1 Platform guard bar

**Safety rules**



**Danger**

Non-compliance of the instructions and safety rules in the manual may cause death or serious injuries.

**Do not operate unless:**

➤ You have understood and practiced the safety rules within the manual.

**1 Avoid dangerous circumstances.**

**Please understand the above rules before proceeding to the next step.**

2 Always carry out preoperational check.

3 Always carry out pre-functional test.

4 Check the working site.

5 Use the machine as per its design intent only.

➤ Read, understand and comply with manufacturer instructions, safety rules, operation manual and machine labels.

➤ Read, understand and comply with safety rules and on-site regulations for users.

➤ Please read, understand and comply with all the applicable government regulations.

➤ You have accepted appropriate training concerning safe operations of the machine.

**Labeling Notes**

The symbols, color codes and symbolic letters used by Sinoboom have the following meanings:



Safety warning mark—indicates the potential personal injury. Please comply with all the safety prompts behind the mark so as to avoid personal injury or death.



Red mark—indicates the potential emergency dangerous circumstances, if not avoided, it may cause personal death or serious injuries.



Orange mark—indicates the potential dangerous circumstances, if not avoided, it may cause personal death or serious injuries.



Yellow with safety warning mark—indicates the potential dangerous circumstances, if not avoided, it may cause slight or moderate physical injuries.



Yellow without safety warning mark—indicates the potential dangerous circumstances, if not avoided, it may cause property damage.

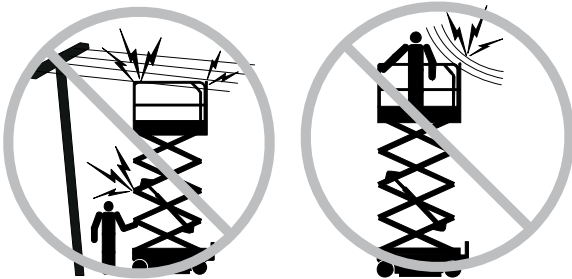


Green mark—indicates operation or repair information.

**Electric shock**

Do not use the machine as ground wire during welding.

The machine is not insulated and do not provide electrical shock protection.



Safety distance should be kept with power cord and equipment according to the applicable government regulations and instructions in the following tables.

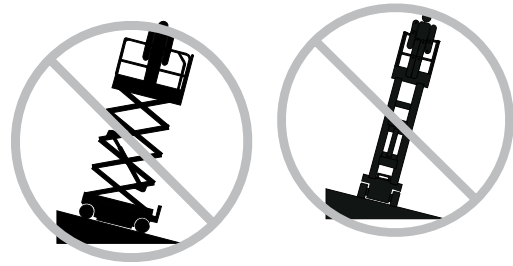
Voltage	Minimum safety distance
Phase to phase	m
0V to 50kV	3.05
50kV to 200 kV	4.60
200kV to 350 kV	6.10
350 kV to 500 kV	7.62
500 kV to 750 kV	10.67
750 kV to 1000 kV	13.72

Considering the platform movement, wire swing or loosen, please beware of strong wind or gust. Please do not operate the machine if there is lightning or rainstorm.

If the machine contacts the live wires, please keep away. Before disconnecting, it's prohibited to touch or operate the machine.

**Tilting risk**

The total weight of the persons, equipments and materials on the platform should not exceed the maximum loading capacity of the platform.



**GTJZ0408S**

**Maximum loading capacity**

Platform contract	280kg
Platform extension —for platform only	160kg
Platform extension—for extended part only	120kg

MAX. CAPACITY (INDOOR) 280kg=  +		MAX. 400N
+  =120kg	+  =280kg	

Do not consider tilting alarm as level indicator. The tilting alarm on the platform shall tingle once the machine seriously tilts.

If the tilting alarm tingles:

Lower the platform. Move the machine to firm, flat ground.

If the alarm tingles when the platform lifts, please carefully lower the platform. It's prohibited to change level or limit switch.

The driving speed should not exceed 0.8km/h during platform lifts.

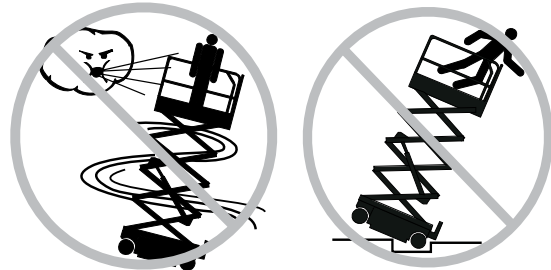
**GTJZ0608S**

**Maximum loading capacity**

Platform contract	230kg
Platform extension —for platform only	110kg
Platform extension—for extended part only	120kg

MAX. CAPACITY (INDOOR) 230kg=  +		MAX. 400N
+  =120kg	+  =230kg	

Where there is strong wind or gust, please do not handle the machine and increase the platform or the surface area of loading. Increasing the area exposed in the wind may reduce the stability of the machine.



The platform can be lifted or extended only when the machine is in firm, flat ground.

When the platform lifts, please do not drive the machine on uneven, unstable ground and its surroundings or other dangerous circumstances.

Under folded circumstances, when driving the machine on uneven, unstable ground with stones or near

caves and steep slopes, please reduce the driving speed.

The maximum allowable lateral tilting angle is 5°.

Do not change limit switch

Do not push/pull any objects outside the platform.

Maximum allowable side force is

Indoors: 400N

Outdoors: 200N

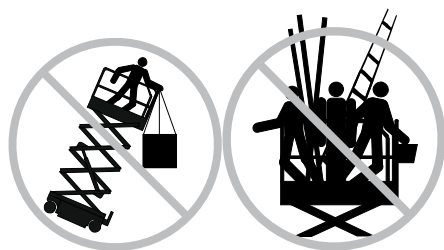


Do not change and use any parts affecting safety and stability.

Do not change the critical parts affecting stability with parts with different weight or specifications.

Without prior written permission of the manufacturer, do not amend or change the aerial work platform. Install additional device for placing tools or other materials on the platform or protective guards may increase the weight and surface area of the platform to increase load.

Do not place or fasten any hanging loads on any parts of the machine.



Do not place the ladder or scaffold on the platform or next to any parts of the machine.

Do not use the machine on mobile or moving surface or vehicles. Make sure all tires are well and all slotted nuts and pins are fastened and complete.

Do not use batteries with weight less than the original ones. The battery can not only balance the weight but also imposes crucial importance for the stability of the machine. The weight of each battery must reach 28kg.

Do not use the machine as cranes.

Do not use platform to push the machine or other objects.

Do not let the platform contact the surrounding objects.

Do not bind the platform with the surrounding objects.

Do not place the loads outside the platform.

Do not handle the machine if left/right side door opens.

When the platform is caught, stuck or hindered by the other surrounding objects, do not use the platform controller to lower the platform. If use the ground controller, please evacuate all the personnel previously.

**Falling risk**

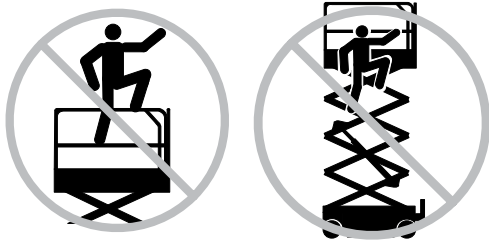


All the personnel on the platform must wear safety belt or use safety equipments compliance with



government regulations. Please tie the lanyard on the fixed point of the platform.

Do not sit, stand or climb on the protective guard of the platform, persons need steadily stand on the floor of the platform at any time.



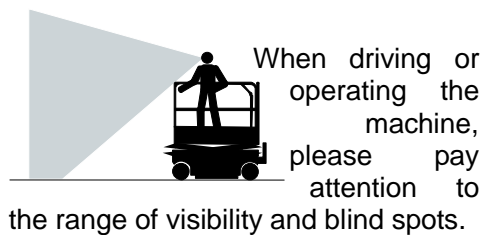
Please don't climb down the platform when it lifts.

Keep barrier free on the platform floor.

Lower the entrance chain or close the entrance door prior to operations.

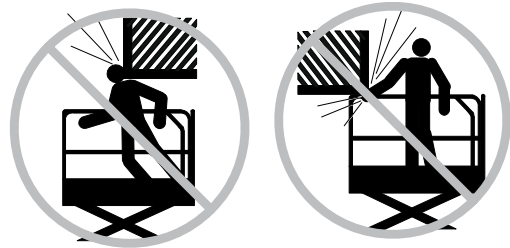
Please don't handle the machine if the protective guard is installed incorrectly and the entrance door isn't closed.

**Collision risk**



Please pay attention to the position of the extended platform when moving the machine.

Check the working site so as to avoid obstacles above or other possible dangers.



Pay attention to the risk of crushing when grasping the protective guard of platform.

Please observe and use the colored direction arrow with driving, lifting and turning functions on the platform controller and chassis controller.

Users must comply with users rules, working site rules and government rules concerning personal protection equipments.

When handling the machine, please do not make dangerous driving or playing.

The machine must be on horizontal plane or has been fixed before releasing brake.



Do not handle the machines on any cranes or mobile gantry lines, unless the crane controller has been locked or appropriate preventive measures have been taken to avoid any potential collisions.

The platform can be lowered only there are no persons and obstacles in the below area.

Driving speed should be limited based

on the ground state, crowdedness degree, slope, person location and any other factors possibly causing collisions.

### **Crushing risk**

Do not put hands and arms next to the parts with scissoring risks.

When handling the machine by controller on the ground, please keep correct judgment and planning. Proper distance should be kept among operators, machine and fixed objects.

### **Parts damaging risk**

Do not start device with any batteries or chargers over 24V.

Do not use the machine as ground wire during welding.

### **Explosion and fire risk**

Do not use the machine in dangerous place or places possibly with flammable and explosive gas or particles.

### **Machine damaging risk**

Do not use broken or failed machines.

Before changing shifts, thoroughly check the machine before operations and test all the functions. Immediately mark the broken or failed machines and stop operations.

Make sure all the maintenance operations have been done according to the provisions in this manual and corresponding service manual.

Make sure all the mark locations are proper and well recognized.

Make sure the operation manual and service manual readability, meanwhile put them inside the platform storage box.

### **Body injury risk**

Please do not handle the machine if there is hydraulic oil leakage. Hydraulic oil leakage may penetrate and burn skins.

Incorrectly contact any components under the machine plate may cause serious injury. Only those well trained personnel can open the left/right door to repair the machine.

Suggestion: operators may check and repair before operations. During operations, all the covering parts must be kept closed and locked.

### **Safety of welding line through platform**

Please carefully read, understand and comply with all the warnings and instructions attached with the power units.

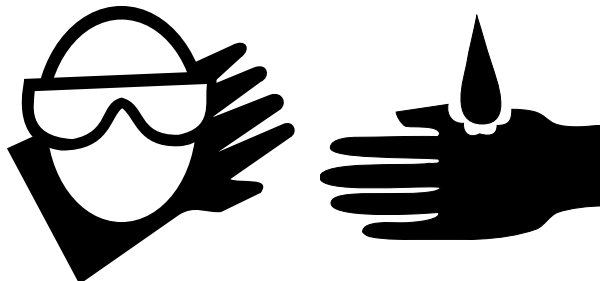
Wires or cables can be welded only when the power units are closed.

Welding operations can be made only after correctly connecting the welding lines.

**Battery safety**

**Burn risk**

Batteries have acidic compounds. When using, please wear protective working clothes and safety goggles.



Prevent the acidic compounds of the battery spilling or contacting. Use soda to neutralize the acidic compounds of the battery.

Do not exposed battery or charger in the water or rain when charging.

**Explosion risk**

Batteries may cause explosive gas, keep off spark, flame or ignited cigarette.



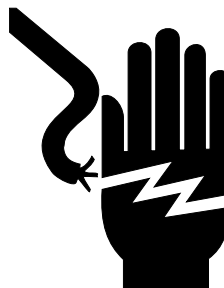
Do not use tools possibly causing sparks to contact battery terminal or cable clamps.

**Parts damaging risk**

Please use the charger designated by manufacturer to charge battery.

**Electric shock**

The charger can be only connected with the grounded three-phase AC socket.



Daily check the wires if there is any damage, please replace the broken parts before operations.

Please pick off all rings, watches and other jewelries so as to prevent electric shock due to contact the battery terminals.

**Tilting risk**

Do not use batteries with weight less than the original ones. The battery can not only balance the weight but also impose crucial importance for the stability of the machine. The weight of each battery must reach 28kg.

**Lifting risk**

When lifting batteries, please use appropriate personnel numbers and lifting methods.

**Preoperational check**



**Do not operate unless:**

You have grasped and practiced safety operation rules in the operation manual.

- 1 Avoid dangerous circumstances.
- 2 Always carry out preoperational check. Understand all the above rules before proceeding to the next step.**
- 3 Always carry out pre-functional test
- 4 Check the working site.
- 5 Use the machine as per its design intent only.

Carrying out “preoperational check” and routine maintenance is the responsibility of the operators.

Preoperational check is a visual check process, which is previously made by the operators before each shift. The aim is to check if there are obvious problems with the machine before pre-functional test.

Preoperational check can also be used to determine if it’s necessary to make routine maintenance procedures. The operators can only carry out the routine maintenance procedures specified in this manual.

Please check the list in next page and check if there are changes of each

program and location as well as broken, loosen or lost parts.

It's prohibited to use broken or changed machines. If found any broken or changes compared to the original state, please mark the machine and stop using.

According to the manufacturer specifications, only those qualified technicians can repair the machine. After completion of repair, the operators must carry out another preoperational check before functional test.

According to the requirements specified by the manufacturer and duty manual, periodic maintenance check should be made by qualified technicians.

**Symbol descriptions**

The following symbols shall be used in the manual to indicate relevant meanings in usage note.



Indicates tools needed to execute the program.



Indicates new parts needed to execute the program.



**Preoperational check**

- ✧ Ensure operation manual and service manual are in good condition and readable and are kept in the storage bin in the platform.
- ✧ Ensure all marks are clear and readable and are placed in proper locations. Please refer to “Marks” part.
- ✧ Check if there is hydraulic oil leakage and if the oil level is proper. Please add oil as required. Please refer to “Maintenance” part.
- ✧ Check if there is battery fluid leakage and if the oil level is proper. Please add distilled water as required. Please refer to “Maintenance” part.

**Machine check**

Check the whole machine to locate:

- ✧ Welds or flaws in structural elements
- ✧ Dents or broken
- ✧ Ensure all the structural parts and other critical parts are complete and all relevant fasteners and pins are fastened and placed in correct location.
- ✧ Put up platform sidebar and install safety pins with steel wires.

**Parts check**

Check if there is broken in the following parts or areas and if there is incorrectly installed, loosen or lost parts and other unauthorized conditions:

- ✧ Electrical parts, wirings and cables
- ✧ Hydraulic power unit, oil tank, joint, hose, hydraulic oil tank and valve
- ✧ Battery unit and its connections
- ✧ Driving motor and brake device
- ✧ Anti-slip tape
- ✧ Tyre
- ✧ Power unit
- ✧ Limit switch and speaker
- ✧ Alarm and indicator light
- ✧ Nut, bolt and other fastener
- ✧ Entrance door
- ✧ Pit protection device
- ✧ Extended part
- ✧ Scissor pin and fixed fastener
- ✧ Platform control lever

## Hydraulic oil level check

It's essential to keep hydraulic oil in proper level for the machine. If hydraulic oil is in improper level, hydraulic parts may be broken. The inspector can ensure the changes of hydraulic oil level according to daily check, which can indicate the problems of hydraulic system.

Under stowed circumstances, carry out the following procedures.

1、 Visual check oil Liquid meter of Hydraulic on sides of hydraulic oil tank.

◆ Results: hydraulic oil level should be within Full mark of oil Liquid meter of Hydraulic.

2、 Add oil as required, please do not add too much.

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## Hydraulic oil model

L-HM46

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## Battery check

### **⚠ WARNING**

Perfect condition of battery is extremely important for performance and safe operations of the machine. Improper electrolyte level or broken cables and wirings may damage parts and cause dangerous circumstances.

### **⚠ WARNING**

Electric shock. Touch live circuit may cause death or serious personal injury. Pick off all rings, watches and other jewelries.

### **NOTICE**

Physical injuries risk. Batteries have acidic compounds. Prevent the acidic compounds of the battery spilling or contacting. Use soda to neutralize the acidic compounds of the battery.

Carry out such check after battery charging.

1 Wear protective working clothes and safety goggles.

2 Ensure the battery wiring isn't corroded.

3 Ensure the battery and cable wirings are securely fixed.

4 Take off battery ventilation cover.

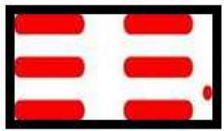
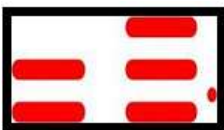


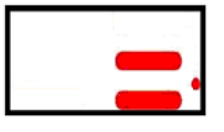
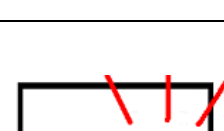
5 Check battery acidic fluid level. Add distilled water through filling pipe on the above of the battery if necessary. Do not add too much.

6 Replace ventilation cover.

Adding terminal protector and anticorrosive sealant can help eliminating the corrosions for battery terminals and cables.

### Inspect battery power

Description of battery power:

Display	Proportion	Description
	90-100 %	Full power
	70%	70% power
	50%	50% power
	30%	30% power
	20%	Battery in low power must charge immediately
	10%	Battery in low power will slow the machine's movements.

**Functional test**



**Do not operate unless:**

➤ You have understood and practiced the safety rules within the manual.

- 1 Avoid dangerous circumstances.
- 2 Always carry out preoperational check.

**3 Always carry out pre-functional test. Please understand the above rules before proceeding to the next step.**

- 4 Check the working site.
- 5 Use the machine as per its design intent only.

**Fundamental principle**

The aim of functional test is to find faults prior to operations. The operators must test all functions of the machine on step-by-step basis.

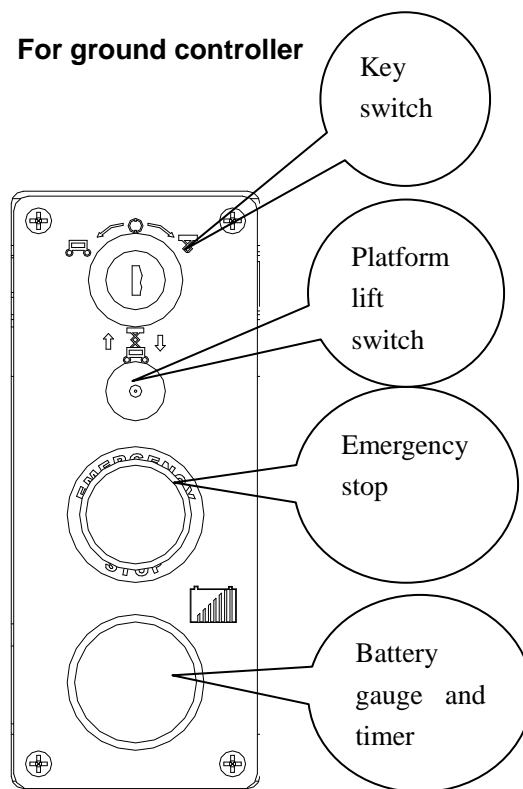
Do not use failed machines. If found faults, please mark and stop using. Only qualified technicians can repair the machine according to manufacturer specifications.

After completion of the repair, the operators must carry out another preoperational check and functional test before operations.

**Test preparation**

- 1、 Select a firm, horizontal and obstacle free areas for testing.
- 2、 Ensure the battery unit has been connected.

**For ground controller**



1 Press the red “Emergency Stop” switch to On.

2 Turn left the key switch to ground control location.

◆ Results: related indicator light is on and displays no error messages.

**Emergency stop test**

1 Press the red “Emergency Stop” switch to Off.

◆ Results: all functions are closed.

2 Switch the red “Emergency Stop” switch to On.

**Lifting function test**

1 Start lifting function.

◆ Results: the platform lifts.

2 Start lowering function.

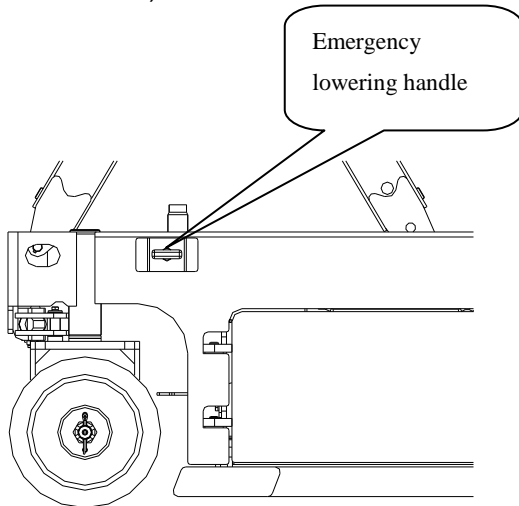
◆ Results: the platform lowers and the lowering alarm tingles simultaneously.



### Emergency lowering function test

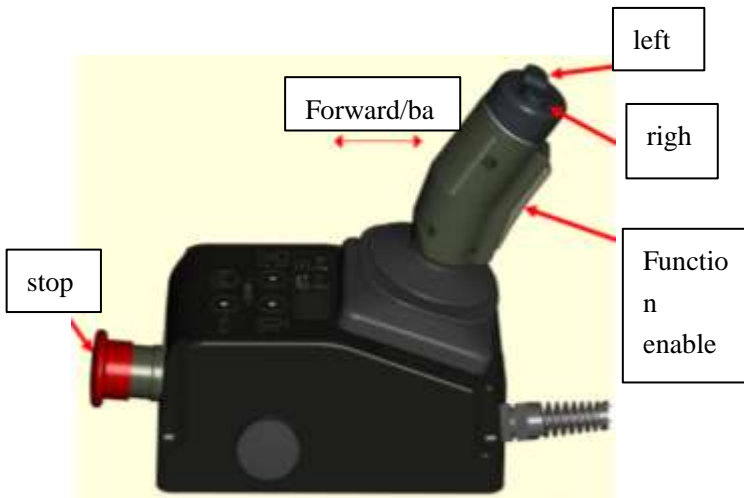
1 Start lifting function and lifts the platform up to 1.5m.

2 Pull out emergency lowering handle (locates on the front sides of chassis, separately control cylinder lifts/lowers).



◆ Results: the platform lowers and the alarm don't tingle when lowering.

**Control Box (Deltatech system)**



◆ Result: No actions at all.

- 3、 Pull out the red Emergency Stop bottom in ON location

**Horn Testing**

- 1、 Press down the horn bottom
- ◆ Result: Peal voice

**Enable Switch Testing**

- 1、 Press the moving/lifting bottom, brighten the bottom
- 2、 Do not press the enable switch in joystick, move the joystick following the arrow direction.

◆ Result: No functions at all.

**Up and down testing**

- 1、 Press the up/down bottom, brighten the bottom.
- 2、
- 3、 Push the joystick upon the arrow direction, turn the lifting function.

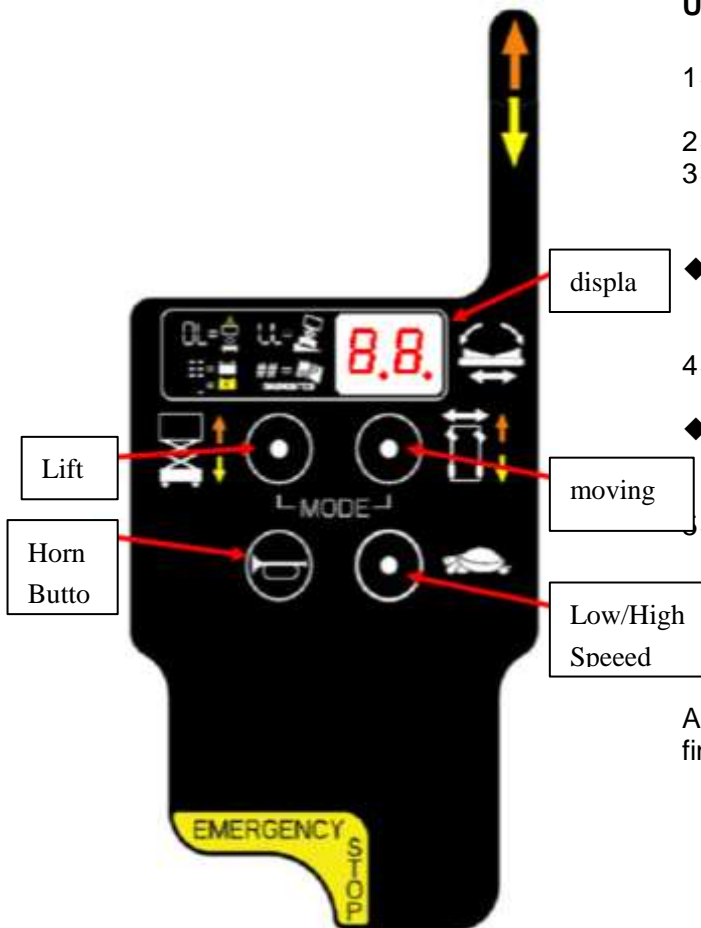
- ◆ Result: The platform should be lifted. The hole protection mechanism should open.
- 4、 Release the joystick.

◆ Result: The platform should stop lifting

Hold the joystick and push it upon the arrow direction, starting the declining function.

Result: the platform should decline with decline alarming.

Attention: All the testing should be finished within one cycle period.



**Emergency Stop Testing**

- 1、 Turn the selective switch into platform control;
- 2、 Press the red Emergency Stop bottom into OFF location;

### Steering Testing

- 1、 Press the moving and steering bottom, and brighten it.
- 2、 Press on the left steering bottom in joystick.
  - ◆ Result: Left steering
- 3、 Press on the right steering bottom in joystick.
  - ◆ Result: Right steering

### Driving and braking testing

- 1、 Press the moving and steering bottom, and brighten it.
- 2、 According to the arrow direction on the control panel, pull the joystick (moving/steering/lifting function) slowly until the machine start to move, then recover the joystick back to the center location.
  - ◆ Result: The machine should move forward, then stop.
- 3、 According to the arrow direction on the control panel, push the joystick slowly until the machine start to move, then recover the joystick back to the center location.
  - ◆ Result: The machine should move backward, then stop.

Attention: On whatever gradient which the machine can climb on, the brake system should stop it steady.

### Weighting System testing

Before start this testing, should rise and fall the machine no less than two times, which ensure the slide blocks have a good performance.

- 1、 Make sure the scissors stay in stowed situation, then load in the basket gradually.

#### ◆ Result

##### GTJZ0408S

While the weight is less than 280kg, the machine could reach to the highest altitude, if more than 280kg but less than 335kg, will have the loading limitation, and overloading light brighten and machine has no lifting.

##### GTJZ0608S

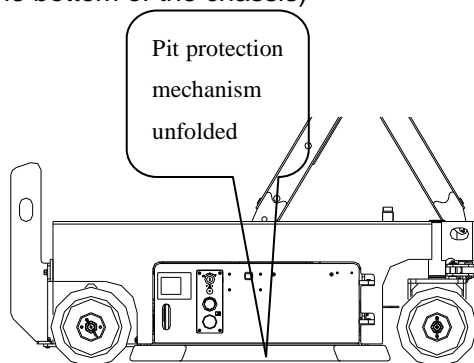
While the weight is less than 230kg, the machine could reach to the highest altitude, if over 230kg but less than 275kg, will have loading limitation: overloading light brighten and machine has no lifting

### Limited driving speed test

1 Switch from driving/lifting state to lifting state.

2 Lift the platform up to about 1.5m.

◆ Results: pit protection mechanism should fold (separately in the bottom of the chassis)



3 Switch from driving/lifting state to driving state, slowly move the drive control handle to full-driving location.

◆ Results: the driving speed of the machine is 45s/10m.

Notes: if the driving speed of the machine is less than 45s/10m, immediately stop and mark.

### Level sensor test

**Notes:** control the equipment by platform controller on the ground. Please do not operate on the platform.

1 Completely lowers the platform.

2 Put two wooden blocks with 30mm high and 50\*100mm length/width on below of two wheels on one side of the machine, then drive the machine onto the two plates.

3 Switch from the driving function to lifting function, press the handle to lift the platform.

◆ Results: the platform can't lift and tilting alarm tingles.

4 Switch to driving function, move off the workbench and wooden blocks.

5 Put two wooden blocks with 70mm high and 50\*100mm length/width on below of two wheels on one side of the machine, then drive the machine onto the two plates.

6 Switch from the driving function to platform lifting function, press the handle to lift the platform.

◆ Results: the platform can't lift and tilting alarm tingles.

7 Switch to driving function, move off the workbench and wooden blocks.

**Pit protection system test**

Notes: Pit protection system should fold when the platform lifts. The pit protection mechanism starts two limit switches to limit the driving speed of the machine. If pit protection mechanism doesn't fold, the alarm will tingle when the platform lifts and the fork seat leaves compressive bar of the pit protection mechanism, the alarm sounds and the machine can lift continuously but can't drive traveling.

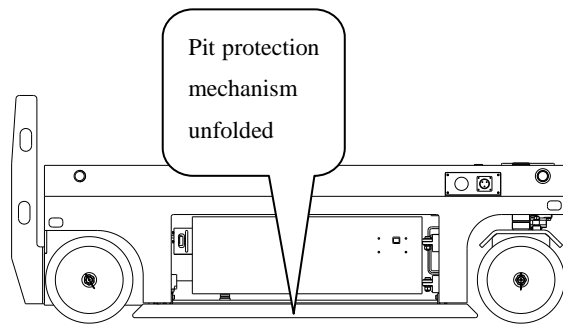
4 Put wooden plate with 30mm high, 50\*100mm length/width below the plate of the pit protection mechanism to lift the platform.

◆ Results: When the platform lifts and the fork seat leaves compressive bar of the pit protection mechanism, the alarm will tingle, and driving function can't be enabled.

1 Lift the platform.

◆ Results: when the platform lifts and the fork seat leaves compressive bar of the pit protection mechanism, the pit protection device should automatically unfold.

5 Lower the platform and take off the wooden blocks.

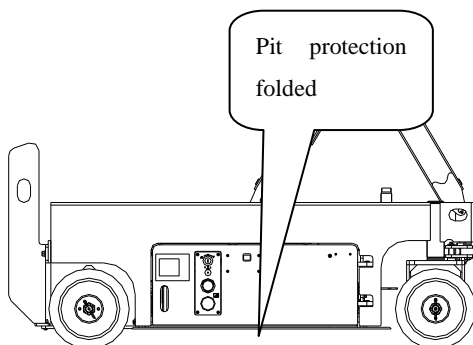


2 Forcefully pull the left/right pit protection plate.

◆ Results: the pit protection plate cannot turn.

3 Lower the platform.

◆ Results: the pit protection mechanism is folded automatically.



## Working site check



### Do not operate unless:

➤ You have understood and practiced the safety rules within the manual.

1 Avoid dangerous circumstances.

2 Always carry out preoperational check.

3 Always carry out pre-functional test.

**4 Check the working site.**

**Please understand the above rules before proceeding to the next step.**

5 Use the machine as per its design intent only.

### Fundamental principle

Working site check can help the operators determine if the working site is applicable for safely operating the machine. The operators should carry out this work prior to moving the machine to the working site.

Understand and remember all the dangerous items is the responsibility of the operators, thus these problems can be avoided when moving, installing and operating the machines.

### Beware and prevention of dangerous circumstances as follows:

- ✧ Steep slopes or caves
- ✧ Thrust, ground obstacles or scraps
- ✧ Tilting surface
- ✧ Insecure or smooth surface
- ✧ Aerial obstacles and high voltage lines
- ✧ Dangerous locations
- ✧ Surface upholders insufficient support of the full loading of the machine
- ✧ Gust and strong wind
- ✧ Unauthorized personnel
- ✧ Other possible unsafe circumstances

## Operating instructions



### Do not operate unless:

You have understood and practiced the safety rules within the manual.

- 1 Avoid dangerous circumstances.
- 2 Always carry out preoperational check.
- 3 Always carry out pre-functional test.
- 4 Check the working site.

### 5 Use the machine as per its design intent only.

### Fundamental principle

Operating Instructions provide detailed instructions for each aspect of operations. Compliance of all safety rules and instructions in the operation manual is the responsibility of the operators.

The machine can only be used to lift the personnel and tools to the aerial working site. It's unsafe and dangerous to use it for any other purposes.

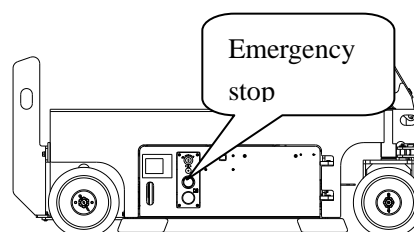
Only those well trained and authorized personnel can handle the machine. If more operators use the same machine at different time at the same work shift, all of them must be qualified operators and comply with all safety rules and instructions in the manual, which means that each new operator must carry out preoperational check, functional test and working site check.

The following operations can refer to functional test part.

### Emergency Stop

Press inside the red "Emergency Stop" button on the ground or platform to OFF until all functions stop.

This machine has one red "Outage Switch" button on the chassis as shown in the following diagram. Press the button to OFF, then the system disconnects and all functions stop.



Toggle the "Emergency Stop" button to ON to recover any operating functions.

### Auxiliary Lowering

Counterclockwise rotate the emergency lowering handle to pull it out.

### Operations from ground

- 1 Left turn the key to ground control location.
- 2 Pull the red emergency stop button to ON.
- 3 Ensure the battery are well connected before operations.

**Platform location adjustment**

1 Move the lifting/lowering switch according to the mark on the control panel.

The driving and turning functions cannot be used by the ground controller.

**Operations from platform**

1 Turn the key switch to the platform control location.

2 Toggle the “emergency stop button” on the ground and platform to “ON”.

3 Ensure the battery are well connected before operations.

**Platform location adjustment**

1 Toggle up the driving/lifting switch to lowering state.

2 Press the function enable switch on the control handle.

3 Move the handle based on the mark on the control panel.

**Turning**

1 Press the function enable switch on the control handle.

2 Slowly move the control handle according to the directions indicated by the yellow or red triangle.

Determine the wheel turning direction based on the colored direction arrow on the platform controller.

**Driving**

1 Toggle down the driving/lifting switch to the driving location.

2 Press the function enable switch on the control handle.

3 Increasing speed: slowly move the control handle according to the directions indicated by the yellow or red arrow.

Decreasing speed: slowly move the control handle to the central location.

Stop: put the control handle to the central location.

Determine the machine driving direction according to the colored direction arrow on the platform controller and control box.

The driving speed of the machine will be limited when platform lifts.

The battery state may affect the performance of the machine. When battery gauge indicates low battery, the driving speed and lifting speed will be reduced.

**Platform extension and retraction**

1 Push the pedal.

2 Grasp and carefully pull the platform protective guard to extend the platform.

**Notes: Do not stand on the extended parts of the platform when extending. The extended platform can be located in three card slots. Do not work on extended platform before it's fixed.**



3 Push the pedal and pull back the platform, release the pedal to make the extended platform fastened at the card slots.

### Put up/down platform protective guard

The platform protective guard can be put down to facilitate transportation. Put up the platform protective guard when in use.

- 1 Completely withdraw the platform;
- 2 Take off the platform controller;
- 3 Dismantle the safety pin with steel wires, put down the front protective guard of the extended platform;



4. Put down the right protective guard of the extended platform as per the same method;
5. Put down the left protective guard of the extended platform;
6. Put down the rear protective guard of the fixed platform;
7. Put down the right protective guard of the fixed platform;
8. Put down the left protective guard of the fixed platform.

Put up the platform protective guard according to opposite sequence when in use. Install safety pin with steel

wires when putting up protective guards on each side.

Please refer to Vehicle Instructions part for the protective guard location relations.

### Controller operations from ground

Safety distance must be kept among the operators, machines and fixed objects.

Please pay attention to the driving direction of the machine.

### Vehicle maintenance after each use

1 Select a safe parking location, where there has secure horizontal ground and free of obstacles and has no crowded transportations.

2 Lower the platform.

3 Turn the key switch to OFF and unplug the keys so as to avoid unauthorized use.

4 Lock the wheels.

5 Charge the battery.

**Transportation and lifting instructions**



**Compliance:**

- When using forklift (over 4 tons) or crane to lift the machine, please keep correct judgment and planning to control the movement of the machine.
- The transport vehicles must park on horizontal ground.
- When loading machines, the transport vehicle must be fixed so as to avoid rolling.
- Ensure the vehicle capacity, loading surface, belt or wires are sufficient to support the machine (refer to "Specifications" part).
- Before releasing brake, the machine must be on horizontal ground or has been fixed.
- Prevent the protective guard falling when taking off pins. Always grasp the protective guard when lowering it.

**Brake Release Operations**

1 Use wedge to chock up the wheels to prevent the machine rolling.



2 Make sure the driving chassis has been fastened, and there are no obstacles in the passage.

3 Pull the black brake release handle to open brake valve.

4 Push and pull the red brake release valve handle.

**After loading**

Lock the wheels to prevent the machine rolling.

**Lifting instructions**

Completely lower the platform. Ensure the extended platform, controller and parts safe and reliable. Dismantle all loosen parts on the machine.

Determine the gravity centre of the machine depending on the figure and pictures of this page.

Gravity centre	X axle	Y axle
<b>GTJZ0408S</b>	590mm	330mm

Gravity centre	X axle	Y axle
<b>GTJZ0608S</b>	580mm	345mm

**Ensure safe transportation of trucks or trailers**

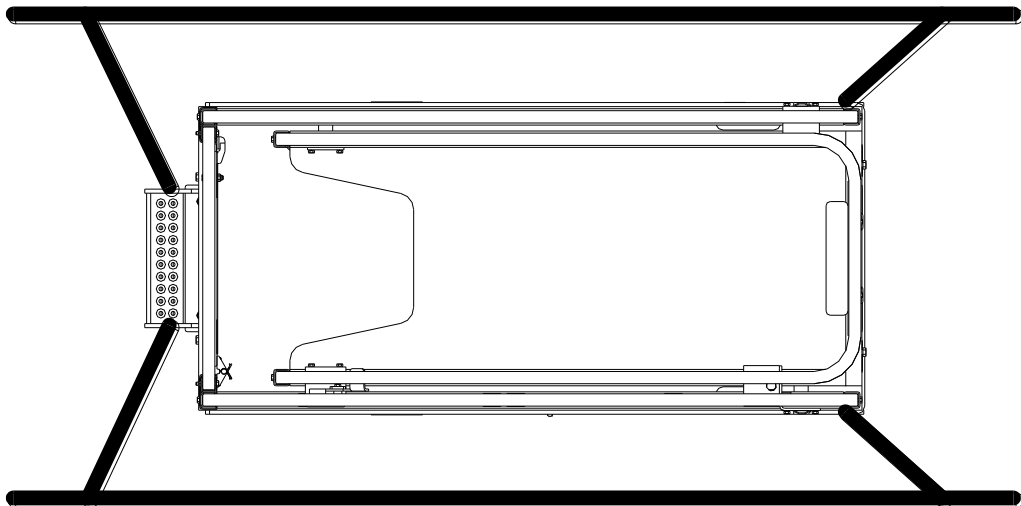
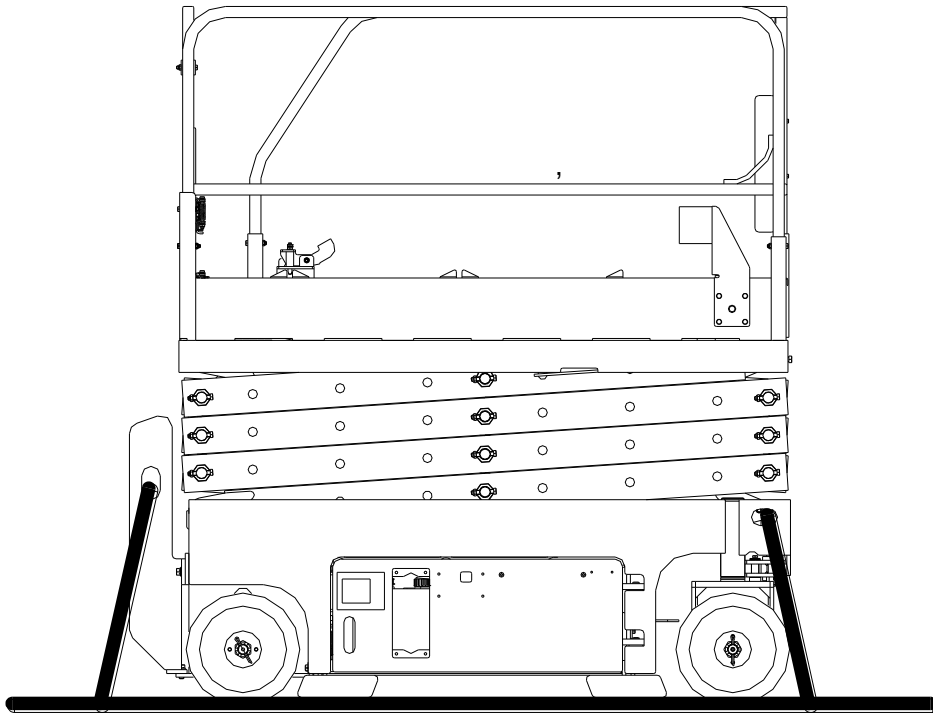
Before transportation, turn the key switch to OFF and unplug the key.

Completely check the machines to prevent any loosen or unfixed parts.

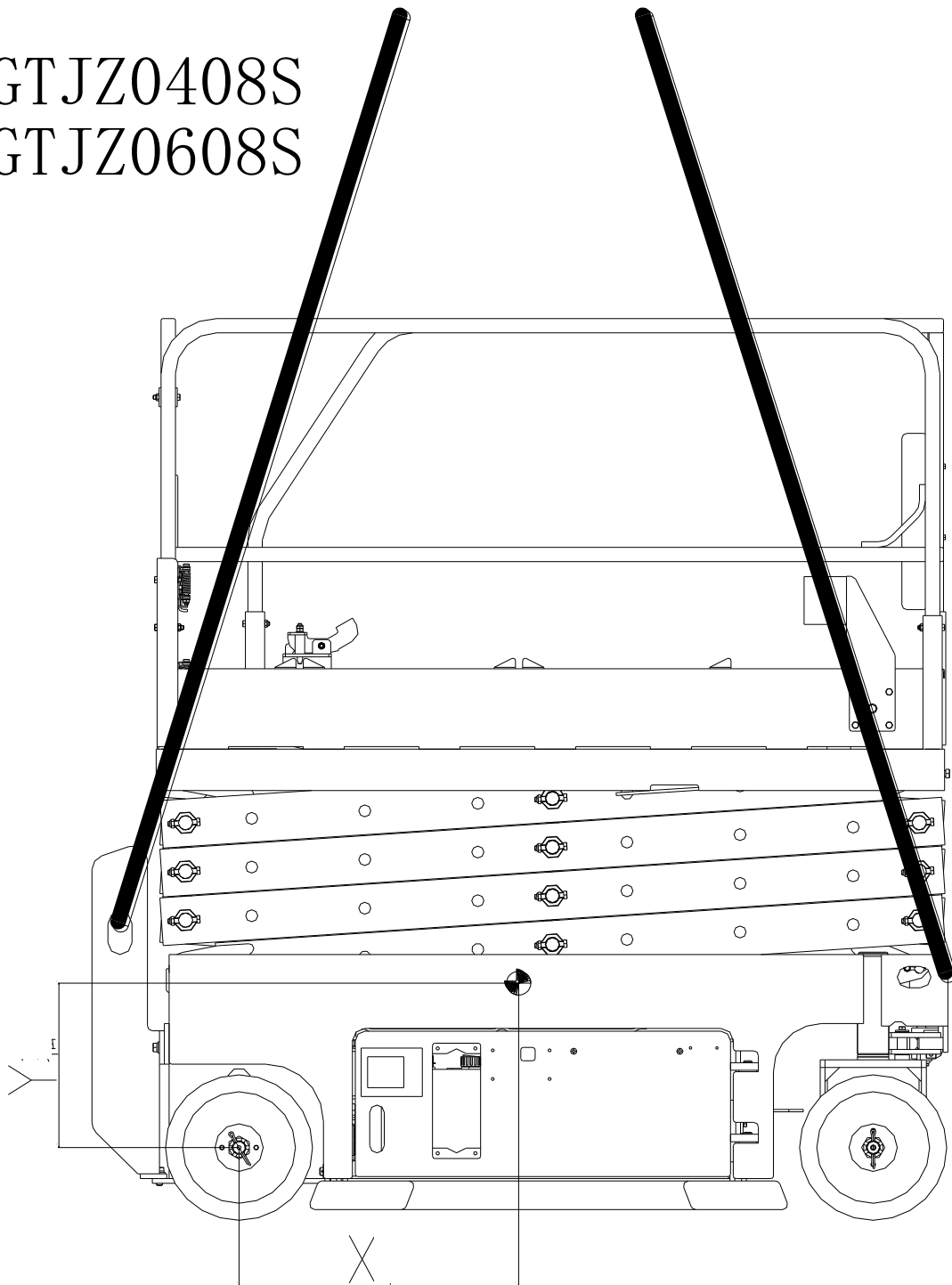
Ensure that chains or belts have sufficient load intensity.

Use at least two chains or belts.

Adjust the locks to prevent it broken.



GTJZ0408S  
GTJZ0608S



### Marking instructions

Check all the marks if their locations are proper and well recognized depending on the pictures below.

The data lists including quantities and notes are as follows.

Item	Description	Qty
1	Manufacturer	2
2	Model (GTJZ0408S)	2
	Model (GTJZ0608S)	2
3	Crushing Hazard: Keep away from moving parts. Reach operation manual carefully.	4
4	Lifting point	4
5	Wheel Load	4
6	Emergency Lowering	1
7	Lifting instructions	2
8	Electrocution Hazard: Always contact the electric power line owner.	2
9	Crushing hazard: Keep clear of outriggers and tires before lowering.	4
10	Only trained maintenance personnel should access compartments. All compartments must remain closed and secured during operation. Read operation manual.	2
11	Tip-over Hazard: Close chassis trays before raising the platform or driving the machine.	1
12	Explosion/Burn Hazard: Keep all open flames and sparks away. Wear personal protective equipment, including face shield, gloves and long sleeve shirt. Read the operation manual carefully.	1
13	Tip-over Hazard: Replace batteries with proper weight, Batteries are used as counterweight and are critical to machine stability, battery weight.	2
14	Electrocution/Fire Hazard: Connect charger to a grounded AC 3-wire electrical outlet only, Before each use,	1

	inspect for damaged cord, cables and wires, Replace damaged items before operating.	
15	Charge instructions	1
16	Crushing Hazard: Engage safety arm before performing maintenance or repair, Read the service manual carefully.	2
17	Serial Label (AS standard)	1
	Serial Label (CE standard)	1
18	Injection Hazard: Escaping fluid under pressure can penetrate skin, causing serious injury.	2
19	Read the operation manual carefully.	1
20	Tip-over Hazard: Do not drive the machine on or near uneven terrain, unstable surfaces or other hazardous conditions with the platform raised. Read the operation manual carefully.	1
21	Tip-over Hazard: If tilt-alarm sounds, Lower the platform and Move the machine to level surface.	1
22	Platform Loading Capacity (GTJZ0408S)	2
	Platform Loading Capacity (GTJZ0608S)	2
23	Crushing Hazard: Engage safety arm before performing maintenance or repair.	1
24	Collision Hazard: Make sure machine is on a firm and level surface or secured and chock wheels before release brakes.	1
25	Fork position	2

