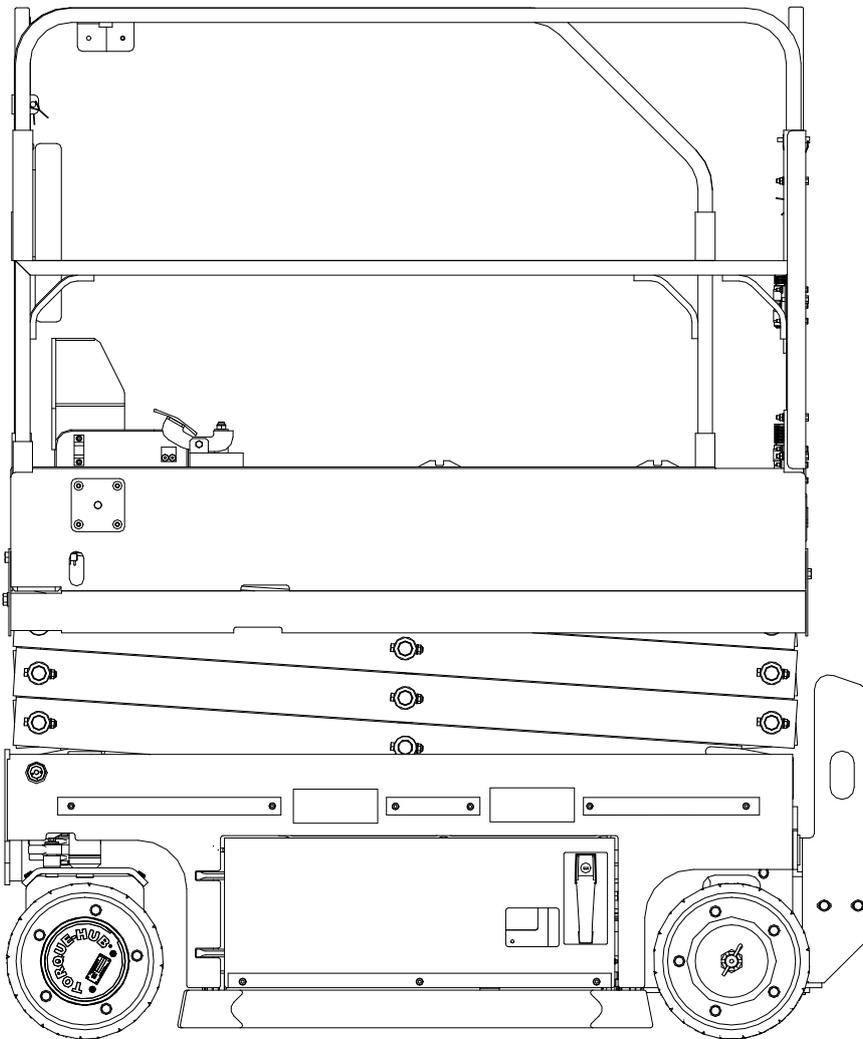




SINOBOOM

Operation Manual

GTJZ0408SE&0608SE&0408ME&0608ME



Key Points

Before operating the machine, you should read, understand and follow these safety rules and operating instructions. Only the trained and authorized personnel are allowed to operate the machine. You should regard this Manual as part of the machine and always keep it with the machine. If you have any question, please contact with Hunan SINOBOOM Intelligent Equipment Co., Ltd.

Table of Contents

Product Performance Parameters.....	3	Platform Controller.....	18
Descriptions of Whole Machine.....	7	Test Emergency Stop.....	18
Safety Rules.....	8	Test Horn.....	19
Hazard of Electric Shock.....	9	Test Enable button.....	19
Hazard of Tip-over.....	9	Test Lifting/Lowering Functions	
Hazard of Falling.....	11	19
Hazard of Collision.....	11	Test Steering.....	19
Hazard of crushing.....	12	Test Drive and Brake Functions	
Hazard of Part damage.....	12	19
Hazard of Explosion and Fire.....	12	Test Weighing System (Optional).....	19
Hazard of Machine Breakdown.....	12	Test Limited Drive Speed.....	20
Hazard of Personal Injury.....	12	Test Level Sensor.....	20
Safety requirements for welding and		Test Pothole guard.....	21
grinding operation on the platform....	12	Inspection on Work Site.....	21
Lock after Each Usage.....	12	Operating Instructions.....	22
Storage Battery Safety.....	13	Emergency Shutdown.....	22
Pre-operational Inspection.....	14	Emergency Lowering.....	22
Symbol Description.....	14	Operate on the Ground.....	22
Pre-operational Inspection.....	14	Adjust the Platform Position.....	22
Inspection on Parts.....	14	Operate on the Platform.....	22
Inspection on Machine.....	15	Adjust the Platform Position.....	22
Inspection on Hydraulic Oil Level.....	15	Steering.....	23
Inspection on Storage battery.....	15	Driving.....	23
Function Test.....	17	Selecting drive speed.....	23
Test Preparation.....	17	Extend and Retract the Platform.....	23
Ground Controller.....	17	Unfolding and folding of platform	
Test Emergency Stop.....	17	railings.....	23
Test Lifting and Lowering		Operate with the Controller on the	
Function.....	18	Ground.....	24
Test Emergency Lowering		Storage Battery Energy Indicator Lamp	
Function.....	18	24
		Charge Storage Battery.....	24
		Transportation and Hoisting Instructions	
		25
		Maintenance.....	27
		Labeling Instructions.....	31

Please contact us:

Website: www.sinoboom.com/www.sinoboom.com

Email: info@sinoboom.com.cn

Service hotline: 400-608-1289/0731-87116333

Fax: 0731-87116516-16

Address: No.128, East Jinzhou Avenue, High-tech Industrial Park, Ningxiang, Changsha City, Hunan Province

Zip code: 410600

© Hunan Sinoboom Intelligent Equipment Co., Ltd. All Rights Reserved

The final interpretation right of the Manual belongs to the Hunan SINOBOOM Intelligent Equipment Co., Ltd

The fourth edition: March 2020

Product Performance Parameters

Parameter items	GTJZ0408SE	GTJZ0608SE
Outline dimension		
Length	1.8 m(5 ft 11 in)	1.8 m(5 ft 11 in)
Width	0.79 m(2 ft 7 in)	0.79 m(2 ft 7 in)
Height (Folded railings)	1.87 m(6 ft 2 in)	1.88 m(6 ft 2 in)
Height (Unfolded railings)	2.12 m(6 ft 11.5 in)	2.14 m(7 ft)
Ground clearance	75 mm(3 in)	75 mm(3 in)
Ground clearance (Pothole protective device extended)	24 mm(0.95 in)	24 mm(0.95 in)
Total weight (Indoor use only)	1375 kg(3032 lbs)	1575 kg(3473 lbs)
Design dimension		
Maximum platform height	4.6 m(15 ft 1 in)	5.8 m(19 ft)
Maximum working height	6.6 m(21 ft 8 in)	7.8 m(25 ft 7 in)
Maximum horizontal extension	0.9 m(3 ft)	0.9 m(3 ft)
Maximum bearing capacity	280 kg(617 lbs)	230 kg(507 lbs)
Maximum load bearing capability of extended platform	120 kg(265 lbs)	120 kg(265 lbs)
Allowable quantity of people working on the platform (Indoor use only)	2 Person	2 Person
Wheel base	1.334 m(4 ft 4 in)	1.334 m(4 ft 4 in)
Wheel span	0.66 m(2 ft 2 in)	0.66 m(2 ft 2 in)
Turning radius		
Internal wheel	0	0
External wheel	1.49 m(4 ft 10.7 in)	1.49 m(4 ft 10.7 in)
Maximum allowable side force (Indoor use only)	400N(90 lbf)	400N(90 lbf)
Control voltage (DC)	24V	24V
Platform dimensions		
Length	1.64 m(5 ft 4.6 in)	1.64 m(5 ft 4.6 in)
Width	0.76 m(2 ft 6 in)	0.76 m(2 ft 6 in)
Tire size		
Diameter	323 mm(12.7 in)	323 mm(12.7 in)
Width	100 mm(4 in)	100 mm(4 in)
Oil volume		
Hydraulic oil tank	6L/1.3 gal	6L/1.3 gal

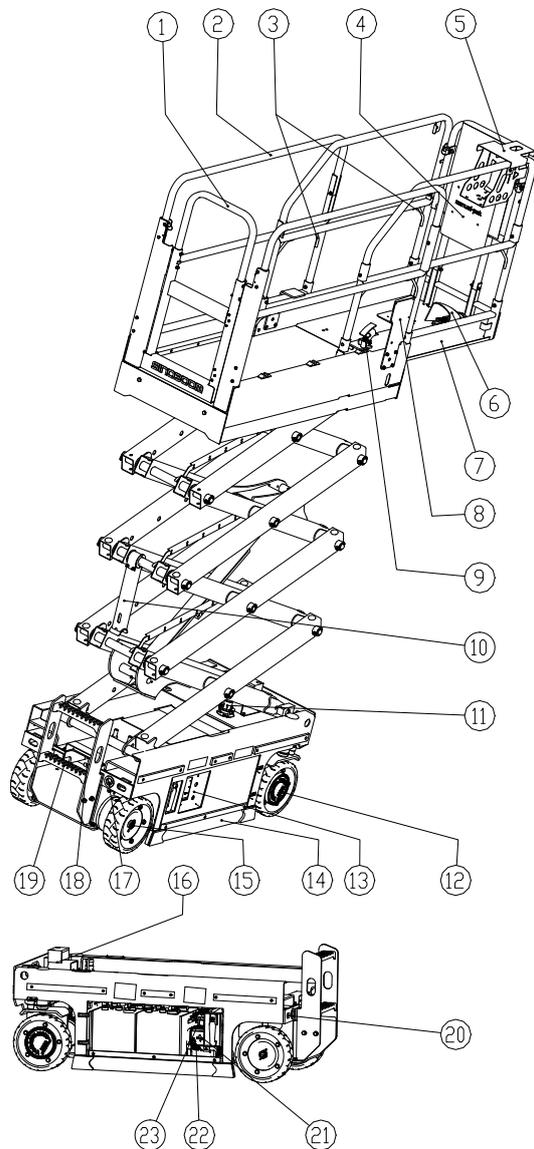
Hydraulic system	7L/1.5 gal	7L/1.5 gal
Pressure of hydraulic system	21 MPa(210bar)	21 MPa(210bar)
System voltage (DC)	24V	24V
Maximum noise for normal working	72dB	72dB
Traveling speed		
Off-running status	0~4 km/h(0~2.5 mph)	0~4 km/h(0~2.5 mph)
Lifting status	0~0.8 km/h(0~0.5 mph)	0~0.8 km/h(0~0.5 mph)
Gradeability	25 %	25 %
Lifting time (No load)	15s~20s	15s~20s
Lowering time (No load)	28s~33s	25s~30s
Maximum allowed wind speed (Indoor use only)	0	0
Maximum allowed inclined angle	Front and rear 3°/ Left and right 1.5°	Front and rear 3°/ Left and right 1.5°
Environment requirements		
Maximum allowed altitude	1000m/3280 ft 10 in	1000m/3280 ft 10 in
Allowed ambient temperature	-20~40℃	-20~40℃
Maximum allowed ambient relative humidity(20℃)	90%	90%
Storage condition	Store in an environment free from rain, sun and corrosive gases	

Parameter items	GTJZ0408ME	GTJZ0608ME
Outline dimension		
Length	1.8 m(5 ft 11 in)	1.8 m(5 ft 11 in)
Width	0.81 m(2 ft 8 in)	0.81 m(2 ft 8 in)
Height (Folded railings)	1.87 m(6 ft 2 in)	1.88 m(6 ft 2 in)
Height (Unfolded railings)	2.12 m(6 ft 11.5 in)	2.14 m(7 ft)
Ground clearance	75 mm(3 in)	75 mm(3 in)
Ground clearance (Pothole protective device extended)	24 mm(0.95 in)	24 mm(0.95 in)
Total weight (Indoor use only)	1375 kg(3032 lbs)	1575 kg(3473 lbs)
Design dimension		
Maximum platform height	4.6 m(15 ft 1 in)	5.8 m(19 ft)
Maximum working height	6.6 m(21 ft 8 in)	7.8 m(25 ft 7 in)
Maximum horizontal extension	0.9 m(3 ft)	0.9 m(3 ft)
Maximum bearing capacity	280 kg(617 lbs)	230 kg(507 lbs)

Maximum load bearing capability of extended platform	120 kg(265 lbs)	120 kg(265 lbs)
Allowable quantity of people working on the platform (Indoor/outdoor)	2 Person/1 Person	2 Person/1 Person
Wheel base	1.334 m(4 ft 4 in)	1.334 m(4 ft 4 in)
Wheel span	0.71 m(2 ft 4 in)	0.71 m(2 ft 4 in)
Turning radius		
Internal wheel	0	0
External wheel	1.49 m(4 ft 10.7 in)	1.49 m(4 ft 10.7 in)
Maximum allowable side force (Indoor/outdoor)	400N(90 lbf)/ 200N(45 lbf)	400N(90 lbf)/ 200N(45 lbf)
Control voltage (DC)	24V	24V
Platform dimensions		
Length	1.64 m(5 ft 4.6 in)	1.64 m(5 ft 4.6 in)
Width	0.76 m(2 ft 6 in)	0.76 m(2 ft 6 in)
Tire size		
Diameter	323 mm(12.7 in)	323 mm(12.7 in)
Width	100 mm(4 in)	100 mm(4 in)
Oil volume		
Hydraulic oil tank	6L/1.3 gal	6L/1.3 gal
Hydraulic system	7L/1.5 gal	7L/1.5 gal
Pressure of hydraulic system	21 MPa(210bar)	21 MPa(210bar)
System voltage (DC)	24V	24V
Maximum noise for normal working	72dB	72dB
Traveling speed		
Off-running status	0~4 km/h(0~2.5 mph)	0~4 km/h(0~2.5 mph)
Lifting status	0~0.8 km/h(0~0.5 mph)	0~0.8 km/h(0~0.5 mph)
Gradeability	25 %	25 %
Lifting time (No load)	15s~20s	15s~20s
Lowering time (No load)	28s~33s	25s~30s
Maximum allowed wind speed (Indoor use only)	0	0
Maximum allowed inclined angle	Front and rear 3°/ Left and right 1.5°	Front and rear 3°/ Left and right 1.5°
Environment requirements		
Maximum allowed altitude	1000m/3280 ft 10 in	1000m/3280 ft 10 in
Allowed ambient temperature	-20~40°C	-20~40°C

Maximum allowed ambient relative humidity(20°C)	90%	90%
Storage condition	Store in an environment free from rain, sun and corrosive gases	

Descriptions of Whole Machine



- 1 Platform entry gate
- 2 Platform guard rails
- 3 Lanyard anchorage points
- 4 Manual storage container
- 5 Platform controls
- 6 Foot Switch (if equipped)
- 7 Platform extension
- 8 AC power support
- 9 Platform extension release pedal
- 10 Safety arm
- 11 Level sensor
- 12 Steer tire
- 13 Ground controls
- 14 Pothole guard
- 15 Non-steer tire
- 16 Travel switch
- 17 Industrial power plug
- 18 Entrance ladder
- 19 Emergency lowering handle
- 20 Transport tie-down
- 21 Charger
- 22 Charging plug
- 23 Emergency stop button

Safety Rules



Hazard

Failure to comply with the instructions and safety rules in this Manual will result in death or serious injury.

Do not operate, unless:

- You have learned and practiced the rules of safe machine operation in this Manual.

1 Avoid dangerous situations.

Know and understand the safety rules before the next step.

2 Always perform the pre-operational inspection.

3 Always perform function testing before each use.

4 Check the workplace.

5 Use the machine only according to the machine design intention.

- Read, understand and follow the manufacturer's instructions and safety rules, Operation Manual, and machine labeling.
- Read, understand and comply with the user's safety rules and workplace regulations.
- Read, understand and comply with all the applicable government regulations.
- You have been properly trained on the safe machine operation.

Classification of Hazards

The symbols, colors and marks used in product labeling of Hunan SINOBOOM Intelligent Equipment Co., Ltd. are meant as follows:



Danger

Warning

Caution

Caution

Notice

Safety warning mark- It is used to indicate potential personal injuries. Observe all safety prompts behind this mark for the purpose of avoiding personal injuries or death.

Red mark- It is used to indicate the urgent hazardous cases; if not avoided, it will lead to death or serious injuries.

Orange mark- It is used to indicate potential hazardous cases; if not avoided, it could lead to death or serious injuries.

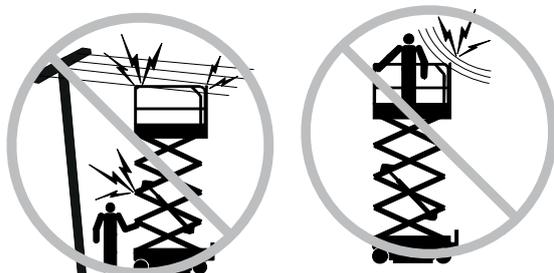
Orange mark with safety warning- It is used to indicate potential hazardous case; if not avoided, it might lead to mild or moderate personal injury.

Orange mark without safety warning- It is used to indicate potential hazardous case; if not avoided, it might lead to property losses.

Green mark- It is used to indicate operation or maintenance information.

Hazard of Electric Shock

The machine is not insulated and does not have electric shock protection.



Maintain a safe distance from the power line and equipment according to the applicable government regulations and the following table.

Voltage	Minimum Safe Distance
Phase to Phase	
0V-50kV	3.05 m
50kV-200 kV	4.60 m
200kV-350 kV	6.10 m
350 kV-500 kV	7.62 m
500 kV-750 kV	10.67 m
750 kV-1000 kV	13.72 m

Be wary of strong winds or gusts in view of platform movement, electric wire wiggling or drooping. Do not operate the machine when there is lightning or heavy rain.

Stay away from the machine if the machine comes into contact with a live wire. The person on the ground or platform must not touch or operate the machine before the power is cut off.

Do not use the machine as ground electrode during welding operation.

Hazard of Tip-over

The personnel, equipment and materials on the platform should not exceed the maximum bearing capacity of the platform.

GTJZ0408SE

Maximum load bearing capability of platform

Retraction of platform	280 kg(617 lbs)
Extension of platform - only limited to fixed platform	160 kg(353 lbs)
Extension of platform - only limited to extension part	120 kg(265 lbs)

GTJZ0608SE

Maximum load bearing capability of platform

Retraction of platform	230 kg(507 lbs)
Extension of platform - only limited to fixed platform	110 kg(243 lbs)
Extension of platform - only limited to extension part	120 kg(265 lbs)

GTJZ0408ME

Maximum load bearing capability of platform

Retraction of platform	280 kg(617 lbs)
Extension of platform - only limited to fixed platform	160 kg(353 lbs)
Extension of platform - only limited to extension part	120 kg(265 lbs)

GTJZ0608ME

Maximum load bearing capability of platform

Retraction of platform	230 kg(507 lbs)
Extension of platform - only limited to fixed platform	110 kg(243 lbs)
Extension of platform - only limited to extension part	120 kg(265 lbs)

Only when the machine is on a firm and flat ground can the platform be raised or extended.



Do not use the tilt alarm as a horizontal indicator. The tilt alarm on the platform will ring only when the machine is heavily tilted.

If the tilt alarm rings:

Lower the platform and transfer the machine to a solid and horizontal ground surface.

It is necessary to lower the platform very carefully if the tilt alarm rings when rising up the platform. It is prohibited to change the level or limit switch.

Traveling speed should not exceed 0.8km/h when the platform rises.

The machine cannot travel on uneven terrain, unstable surface or other dangerous conditions when the platform rises.



Do not operate the machine during strong winds or gusts. Do not increase the surface area of platform or load. Increasing the area exposed to wind will reduce the machine stability.

Be careful and slow down when driving the machine in stowed status on uneven terrain, with crushed stone, unstable or smooth surface, near cave mouth and steep slope.

Do not drive the machine on the slope that exceeds the maximum gradeability of the machine. The 25% (14°) of the maximum gradeability is applicable to the machine under retraction.

Do not change the limit switch.

Do not push any object outside the platform.



Maximum allowable side force:

GTJZ0408SE&0608SE: 400N(90 lbf) (indoor)

GTJZ0408ME&0608ME: 400N(90 lbf) (indoor), 200N(45 lbf) (outdoor)

Do not change and prohibit the usage of any machine parts that may affect safety and stability.

Do not replace the key parts with the ones of a different weight or specification; otherwise it may affect the machine stability.

Do not change or modify the aerial work platform without the prior written permission of the manufacturer. If an additional device is installed on the platform or guardrail for housing tools or other materials, it will increase the platform weight and surface area or increase the load.

Do not place or attach any suspended load on any part of the machine.



Do not put ladders or scaffolding within the platform or any part near the machine.

Do not use the machine on any mobile or movable surface or vehicle. Ensure that all the tires are in good conditions and the slotted nuts have been tightened and the cotter pins are complete.

Do not use the storage battery with weight lighter than that of the original one. The storage battery not only provides power but also serves as balance weight, which is vital to the machine stability.

For: GTJZ0408SE, GTJZ0608SE, GTJZ0408ME, GTJZ0608ME

The weight of each storage battery must reach 28kg.

Do not use the machine as a crane.

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

Do not allow the platform to touch the adjacent object.

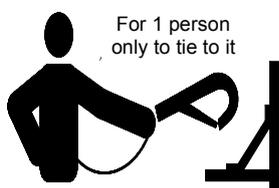
Do not tie the platform on adjacent object.

Do not put the load outside the platform.

Do not operate the machine when the left or right door is open.

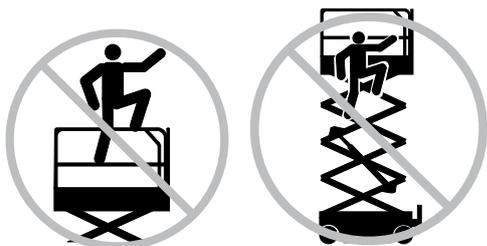
Do not lower the platform with the platform controller when the platform gets caught or stuck, or is obstructed by other objects to move normally. Operate only after all personnel leave the platform if intending to lower the platform with the ground controller.

Hazard of Falling



The personnel on the platform must wear seat belts or use safety facilities that comply with government regulations. Tie the lanyard to the fixed point of the platform, limited to 1 person to wear sling on each fixed point.

Do not sit, stand or crawl on the platform guard railing. Stand on the platform floor stably at all times.



Do not climb down from the platform when it is raised.

Keep the platform floor free from obstacles.

Do not enter or exit the platform unless the machine is in the fully retracted position.

Close the entrance door before operating.

Do not operate the machine if the handrails have not been installed properly and the entrance door has not been closed.

Hazard of Collision



Pay attention to the range of sight and the existence of blind spots when the machine is started or operated.

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

Check the workspace to avoid obstacles or other possible hazards overhead.



Beware of the hazard of squeezing when you grab the platform guard railing.

Pay attention to observe and use the color-marked direction arrow for driving, lifting/lowering, and steering functions on the platform controller and ground controller.

The user must comply with user rules, workplace rules and government rules regarding the *Personal Protection Equipment for User*.

Before the brakes are released, the machine must be on the horizontal plane or has been fixed.



The platform can be lowered when there are no people or obstacles in the lower area.

Limit travel speed according to ground conditions, crowding degree, gradient, personnel location, and any other factors that may cause a collision.

Do not operate the machine on any crane or mobile elevated line unless the crane controller

has been locked or precautions have been taken against any potential collision.

Do not have dangerous or careless driving during machine operating.

Hazard of crushing

Do not let the hands and arms close to the positions with shearing hazards.

No working allowed under the platform or scissors zone when safety rod is in improper position.

Please maintain normal judgment and plan when you are operating the machine on the ground with a controller. Maintain a proper distance among operator, machine and fixed object.

Hazard of Part damage

Do not use any storage battery or charger larger than 24V to start the equipment.

Do not use the machine as the ground electrode during welding operation.

Hazard of Explosion and Fire

Do not use a machine or charge a storage battery in a place where dangerous or flammable gas or particles may exist

Hazard of Machine Breakdown

Do not use the damaged or faulted machine.

Before each shift change, the machine should be thoroughly checked and tested for all functions before operation. The damaged or faulted machine should be immediately marked and stopped.

Ensure that all the maintenance operations have been carried out in accordance with the provisions of this Manual and the corresponding Service Manual.

Make sure all the labeling positions are appropriate and easy to identify.

Ensure the Operation Manual and Service Manual are in good condition, easy to read, and

stored in the storage box on the platform.

Hazard of Personal Injury

Do not operate the machine when there is hydraulic oil or gas leakage which may penetrate and burn the skin.

Contact any of the components under the machine seal plate will cause serious injury. Only trained staffs are authorized to open the doors on the left and right to repair machines.

Suggestion: The operator should perform the pre-operation inspection. Doors at both sides of underframe must be closed and locked when in operation.

Safety requirements for welding and grinding operation on the platform

The welding and grinding operation is not allowed unless expressly permitted by the responsible department on the worksite; otherwise, it may result in fire or explosion.

When welding and grinding on the platform, be sure to abide by relevant operation regulations:

1. Read, understand and follow all the warnings and instructions attached to the power unit. .
2. Only after the power unit is cut off can the guide line or cable for welding and grinding be connected;.
3. Only after the guide line or cable is correctly connected can the welding and grinding operation be performed;
4. Do not use the machine as grounding..

Lock after Each Usage

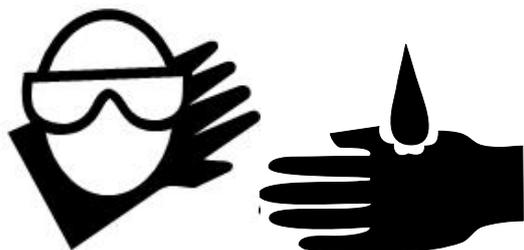
1. Choose a safe place to park the machine where the ground is firm and level, free of obstacles and heavy traffic.
2. Lower the platform.
3. Turn the key switch to the "OFF" position and unplug the key to avoid unauthorized usage.

4. Chock the wheels with wedges.
5. Charge the storage battery.
6. Turn off the power switch when the machine is not working.

Storage Battery Safety

Hazard of Burns

The storage battery contains acid. Wear protective clothing and protective glasses when using the storage battery.



Avoid the overflow of or contact with the acid in the storage battery.

Use soda water to neutralize the spilled storage battery acid.

Do not expose the storage battery or charger to water or rain during charging.

Hazard of Explosion

Since the storage battery can generate explosive



gas, it is prohibited to make spark, flame or ignited cigarette when approaching a storage or lithium battery.

Do not use tools that may cause spark to contact the battery terminal or cable clip.

Hazard of Part Damage

Please use the charger appointed by the manufacturer to charge the storage battery.

Hazard of Electric Shock

Only connect the charger to the grounded three-wire AC power socket.



Check the wire for damage daily. Please replace the damaged parts before operation.

Avoid electric shocks due to contact with storage battery terminals and remove all rings, watches and other accessories.

Hazard of Tip-over

Do not use the battery that is lighter than the original battery. The battery not only provides power but also plays a role in counter weight, which is crucial for keeping stability of the machine.

For: GTJZ0408SE, GTJZ0608SE, GTJZ0408ME, GTJZ0608ME

The weight of each storage battery must reach 28kg.

Hazard during Lifting

During lifting the storage battery, please keep the appropriate number of people and use correct lifting methods.

Pre-operational Inspection



Do not operate, unless:

You have mastered and practiced the safe machine operating rules stated in this Manual.

1 Avoid dangerous situations.

2 Always perform the pre-operational inspection.

Learn and understand the above rules before continuing the next step.

3 Always perform pre-usage functional tests.

4 Check the workplace.

5 Use the machine only according to the machine design intention.

Basic Principles

It is the operator's responsibility to perform the "pre-operational inspection" and routine maintenance.

The pre-operational inspection is a straightforward inspection procedure performed by the operator before each work shift, and it aims to find out whether the machine has obvious problems before the operator performs functional tests.

The pre-operational inspection can also be used to determine whether routine maintenance procedures are required. The operator can only carry out the routine maintenance items specified in this Manual.

Please refer to the list of machine and parts. Check for any changed, damaged, loosened or missed parts in each item and location.

The damaged or altered machine should be banned from using. Mark and stop the machine if any damage is found or is different from the status as delivered.

Only the qualified maintenance technicians can repair the machine according to the manufacturer's regulations. After the maintenance, the operator must perform another pre-operational inspection before function test.

According to the requirements set forth in the manufacturer's regulations and *Duty Manual*, regular maintenance inspections should be performed by the qualified maintenance technicians.

Symbol Description

The following symbols are used in this Manual to help express the relevant meanings in the instructions.



It means the needed tools to implement this procedure.



It means the needed new parts to implement this procedure.

Pre-operational Inspection

- ✧ Ensure the Operation Manual and Service Manual are in good conditions, easy to read, and stored in the storage box on the platform.
- ✧ Make sure all the labels are legible and appropriately located. Please refer to the "Labeling" section.
- ✧ Check whether the hydraulic oil leaks and oil level is appropriate. Please add oil as needed.
- ✧ Check whether the storage battery liquid leaks and liquid level is suitable. Please add distilled water as needed. Please refer to "Operation Instructions".

Inspection on Parts

Inspect whether any of the following parts or

areas are damaged, and whether there are any improperly installed, loosened or missed parts and unauthorized changes:

- ✧ Electrical components, wirings and cables
- ✧ Hydraulic power unit, fuel tank, connector, hose, hydraulic cylinder and valve block
- ✧ Storage battery pack and its connection
- ✧ Drive motor and braking device
- ✧ Tire
- ✧ Safety rod
- ✧ Limit switch and horn
- ✧ Alarms and indicator lamps
- ✧ Nuts, bolts and other fasteners
- ✧ Platform entrance
- ✧ Pothole guard
- ✧ Platform extension
- ✧ Axis pins and fasteners of scissors arm
- ✧ Platform joystick

Inspection on Machine

Inspect the whole machine to find:

- ✧ Crack in a weld joint or structural part
- ✧ Machine dent or damage
- ✧ Severe rust, corrosion, or oxidation
- ✧ Ensure that all the structural parts and other key components are complete, and all the relevant fasteners and pins are correctly positioned and securely tightened.
- ✧ Support the platform guardrail and install the safety pin with steel wire rope

Inspection on Hydraulic Oil Level



Keeping the hydraulic oil at the right oil level is critical to machine work. If the hydraulic oil is at

an improper oil level, it will damage the hydraulic parts. Through daily inspection, the inspector can determine the changes of hydraulic oil level, which can indicate the problems in the hydraulic system.

Perform the following procedures when the platform is retracted.

1. Open the right door, and make visual inspection on flank of hydraulic oil tank.
 - ◆ Results: The hydraulic oil level should be within the mark of "max" and "min" in the oil tank.
2. Refuel as needed and do not overdo.

Hydraulic Oil Mark

Normal temperature region (from 0°C to 40°C): L-HM46;

Cold region (from -25°C to -25°C): L-HV32;

High temperature region (>40°C): L-HM68;

Extremely cold region (<-30 °C): Special schemes need confirmation;

Different hydraulic oil can be added according to customer's requirements before leaving factory.

Inspection on Storage battery



Warning: The storage battery condition is very important to good machine performance and safe operation. Improper liquid level of electrolyte or damaged cable and wiring may cause damage to parts and dangerous conditions.



Hazard of electric shock; contact with electrical circuits can cause death or serious personal injury. Remove all rings, watches and other accessories.



Hazard of personal injury; the storage battery contains acid. Avoid the overflow of or contact with the acid in the storage battery. Use soda

water to neutralize the spilled storage battery acid.

Notice

This inspection is carried out after the storage battery is fully charged.

1. Wear protective clothing and protective glasses.
2. Ensure the connection of storage battery cable is not corroded.
3. Ensure the storage battery is fixated firmly and the cable wiring is fastened.

Adding wiring end protectors and antiseptic sealants will help eliminate corrosion of storage battery terminals and cables.

Function Test



Do not operate, unless:

- You have mastered and practiced the safe machine operating rules stated in this Manual.
 - 1 Avoid dangerous situations.
 - 2 Always perform the pre-operational inspection.
 - 3 Always perform pre-usage functional tests.**
 - Learn and understand the function test before the next step.**
 - 4 Check the workplace.
 - 5 Use the machine only according to the machine design intention.

Basic Principles

The function test aims to find troubles before starting to use the machine. The operator must test all the functions of the machine in accordance with instructions.

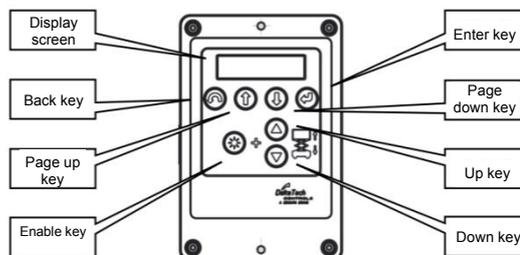
Do not use the troubled machine. The machine must be marked and stopped if any trouble is found. Only the qualified maintenance technicians can repair the machine according to the manufacturer's regulations.

After maintenance completion, the operator must perform the pre-operational inspection and function test before starting to use the machine.

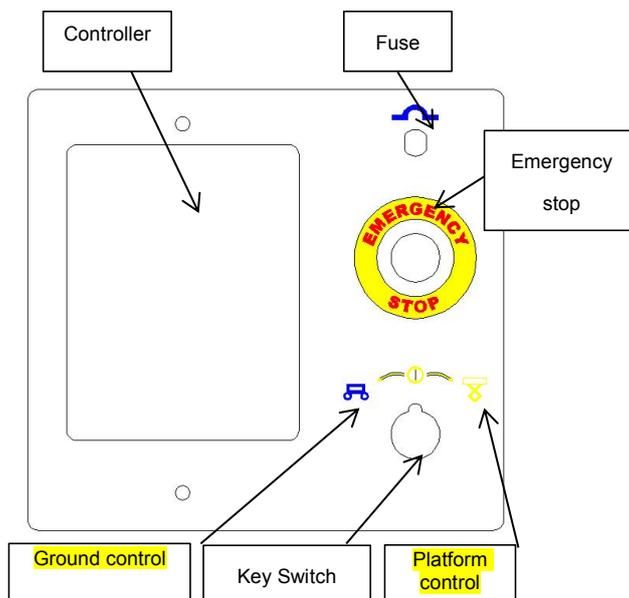
Test Preparation

1. Select a test area that is solid, horizontal and free of obstacles.
2. Ensure that the storage battery is connected.

Ground Controller



Controller key diagram



1. Pull out the red "emergency stop" switches on the platform and ground to the ON position.
 2. Left turn the key switch to the ground control position.
- ◆ Result: The relevant indicator is ON and does not display any error message.

Test Emergency Stop

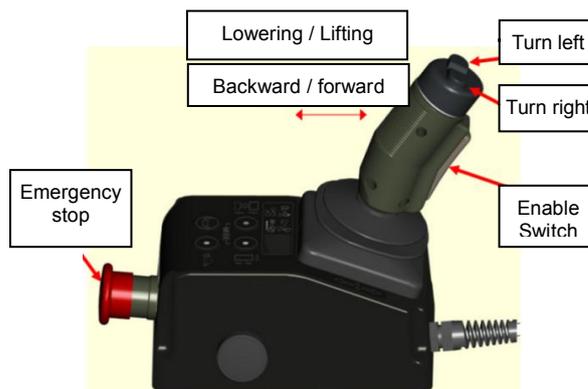
1. Press the ground red "emergency stop" switch to the OFF position.
- ◆ Result: All functions shutdown

2. Pull out the red “emergency stop” switch to the ON position.

Test Lifting and Lowering Function

1. Press and hold the ENABLE button, then press the UP button to start the lifting function.
 - ◆ Result: The platform moves up.
- ◆ Press and hold the ENABLE button, then press the DOWN button to start the LOWERING function.
 - ◆ Result: The platform moves down and the alarm sounds.

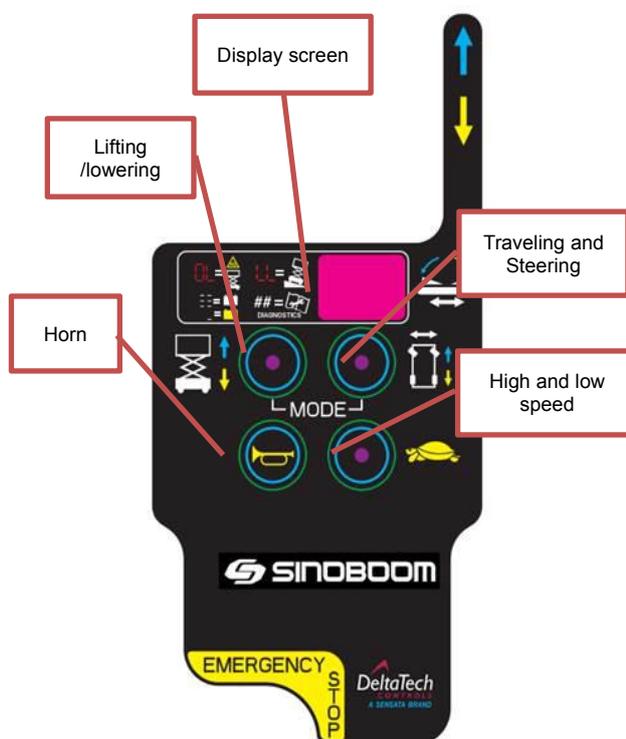
Platform Controller



Test Emergency Lowering Function

1. Start lifting function and lift the platform to the highest.
2. Pull out emergency lowering handle (At the back of the chassis and in the middle of the ladder).

 - ◆ Result: Platform goes down and stops going down when the handle is released. No alarm when platform goes down.



Test Emergency Stop

1. Turn the lower platform selection switch to the platform controller.
2. Press the “emergency stop” switch on the platform to the OFF position.
 - ◆ Result: All functions will not run.
3. Pull the red “emergency stop” switch to the ON position.
 - ◆ Result: The screen displays electricity quantity

Test Horn

1. Press the horn button.
- ◆ Result: The horn sounds.

Test Enable button

1. Do not press the ENABLE button of control handle. Move the control handle in the direction as indicated by the arrow.
- ◆ Result: All the functions cannot work.

Test Lifting/Lowering Functions

1. Press the lifting button and it will be lit.
2. Press and hold the enable button, and push the control handle forwards in the direction as indicated by the arrow to start the lifting function.
- ◆ Result: Platform goes up, and pothole guard extends.
3. Release control handle.
- ◆ Result: Platform stops going up.
4. Press and hold the enable button, and push the control handle backwards in the direction as indicated by the arrow to start the lowering function.
- ◆ Result: The platform goes down and the alarm sounds.

Note: All tests must be finished in one period.

Test Steering

1. Press travel and steer button and it will be lit.
2. Press and hold the enable button, and then press and hold the left turn button on the control handle.
- ◆ Result: Vehicle turns to left.
- ◆ Press and hold the enable button, and then press and hold the right turn button on the control handle.
- ◆ Result: Vehicle turns to right.

Test Drive and Brake Functions

1. Press the travel and steer button and it will be lit.
2. Press and hold the enable button and

slowly push forward the proportional control handle for traveling/steering/lifting and lowering functions in the direction as indicated on the control panel till the machine starts moving, then return the handle to the center position.

- ◆ Result: The machine should move forward and then stop.
- ◆ Press and hold the enable button and slowly push backward the proportional control handle for traveling/steering/lifting and lowering functions in the direction as indicated on the control panel till the machine starts moving, then return the handle to the center position.
- ◆ Result: The machine should move backward and then stop.

Note: The brake must be able to stop the machine in a secure way at any slope of rated gradient.

Test Weighing System (Optional)

Before performing this test, you need to lift and lower the platform twice to ensure that the slide block and track are normally lubricated.

1. Gradually increase load to the platform with the scissor arm fully retracted and platform lowered to lowest point,
- ◆ Result:

GTJZ0408SE

When the weight does not exceed 280 kg(617 lbs), the platform shall be able to be lifted to the highest position.

When the platform load is greater than or equal to 335kg, if the platform lifting height is greater than 1m or 10% of the height that can be lifted (take the bigger one), the overload indicator lamp turns on with the alarm set off, and the working platform is prohibited to be moved. It can be moved again after removing the over-load object.

GTJZ0608SE

When the weight does not exceed 230 kg(507 lbs), the platform shall be able to be lifted to the highest position. When the platform load is greater than or equal to 275kg, if the platform lifting height is greater than 1m or 10% of the

height that can be lifted (take the bigger one), the overload indicator lamp turns on with the alarm set off, and the working platform is prohibited to be moved. It can be moved again after removing the over-load object.

GTJZ0408ME

When the weight does not exceed 280 kg(617 lbs), the platform shall be able to be lifted to the highest position.

When the platform load is greater than or equal to 335kg, if the platform lifting height is greater than 1m or 10% of the height that can be lifted (take the bigger one), the overload indicator lamp turns on with the alarm set off, and the working platform is prohibited to be moved. It can be moved again after removing the over-load object.

GTJZ0608ME

When the weight does not exceed 230 kg(507 lbs), the platform shall be able to be lifted to the highest position. When the platform load is greater than or equal to 275kg, if the platform lifting height is greater than 1m or 10% of the height that can be lifted (take the bigger one), the overload indicator lamp turns on with the alarm set off, and the working platform is prohibited to be moved. It can be moved again after removing the over-load object.

Test Limited Drive Speed

1. Press the lift button and it will be lit.
2. Raise the platform by about 2 meters.
 - ◆ Result: The pothole guard (located at the bottom of the chassis, each one at right and left) should extend.
3. Press the travel/steer button, and slowly move the drive control handle to the full drive position.
 - ◆ Result: The speed of machine movement will be no more than 45 seconds when walking 10m.

Note If the time consumed is less than 45s when the machine travels 10m, stop operating immediately and tag the machine.

Test Level Sensor

Note: Use platform controller control equipment on the ground and do not stand on the platform to operate.

1. Fully lower the platform.
2. For **GTJZ0408SE>JZ0608SE**

Place two pieces of wood blocks with height of 18mm and length & width of 50×100mm on the left side of the machine (or right) under the two wheels, and drive the machine on these two plates.

For **GTJZ0408ME>JZ0608ME**

Place two pieces of wood blocks with height of 20mm and length & width of 50×100mm on the left side of the machine (or right) under the two wheels, and drive the machine on these two plates.
3. Switch to the platform lifting/lowering function, and operate on the handle to lift the platform by about 2m.
 - ◆ Result: The platform should stop moving and the tilt alarm will ring. The platform and ground display should show LL.
4. Lower the platform, change to traveling function, remove work platform and wooden blocks.
5. For **GTJZ0408SE>JZ0608SE>JZ0408ME>JZ0608ME**

Place two pieces of wood blocks with height of 70mm and length & width of 50×100mm in front of (or behind) the machine under the two wheels, and drive the machine on these two plates.
6. Switch to the platform lifting/lowering function, and operate on the handle to lift the platform by about 2m.
 - ◆ Result: The platform should stop moving and the tilt alarm will ring. The platform and ground display should show LL.
7. Lower the platform, change to traveling function, remove work platform and wooden blocks.

Test Pothole guard

Note: When the platform is raised, pothole guard will be automatically activated. Two normal limit switches are started to limit travelling of the machine. If pothole guard is not activated when platform is raised to the fork seat and leaves the pressure bar of pothole guard, the alarm will sound, and the machine cannot lift or travel.

1. Raise the platform.
 - ◆ Results: When the platform is raised to the forked seat and leaves the pressure bar of pothole guard, the pothole guard should extend automatically.
2. Push hard the left/right pothole guard plates.
 - ◆ Results: The pothole guard plates will not turn upwards.
3. Lower the platform.
 - ◆ Results: The pothole guard should retract automatically.
4. Put a 50*50*100mm (H *W* L) wooden block under the pothole guard plate and raise the platform.
 - ◆ Result: The alarm sounds when the platform rises to the forked seat and leaves the pressure bar of pothole guard. The platform and ground controllers display 18. The machine cannot rise and drive.
5. Lower the platform and remove the wooden block.

Inspection on Work Site



Do not operate, unless:

- You have mastered and practiced the safe machine operating rules stated in this Manual.

- 1 Avoid dangerous situations.
- 2 Always perform the pre-operational inspection.
- 3 Always perform pre-usage functional tests.

4 Check the workplace.

Learn and understand the above rules before continuing the next step.

- 5 Use the machine only according to the machine design intention.

Basic Principles

The “Workplace Inspection” helps the operator determine whether the workplace is suitable for safe machine operation. The operator should perform this work before moving the machine to the workplace.

Understand and remember that workplace hazards are the responsibility of the operator, and then be aware of and avoid these problems when moving, installing, and operating the machine.

Beware and avoid the following dangerous situations:

- ✧ Steep hill or cave
- ✧ Prominence, ground obstacles or debris
- ✧ Inclined surface
- ✧ Infirm or smooth surface
- ✧ Air obstacles and high-voltage wires
- ✧ Hazardous location
- ✧ Surface or objects of inadequate capacity to support the load imposed by the machine
- ✧ Gusts and strong winds
- ✧ Unauthorized personnel appear
- ✧ Other possible unsafe conditions

Operating Instructions



Do not operate, unless:

- You have mastered and practiced the safe machine operating rules stated in this Manual.

- 1 Avoid dangerous situations.
- 2 Always perform the pre-operational inspection.
- 3 Always perform pre-usage functional tests.
- 4 Check the workplace.

5 Use the machine only according to the machine design intention.

Basic Principles

"Operating Instructions" provides specific instructions for all the aspects of machine operation. It is the responsibility of the operator to follow all the safety rules and instructions in the Operation Manual.

In addition to elevating people and tools to the workplace, it is unsafe and even dangerous to use this machine for other purposes.

Only the trained and authorized personnel are allowed to operate the machine. If more than one operator uses the same machine in different time of the same work shift, they must all be the qualified operators and follow all the safety rules and instructions in the Operation Manual. This means that each new operator should perform the pre-operational inspection, function tests, and workplace checks before using the machine.

The following operations can refer to the function tests.

Emergency Shutdown

Press the red "emergency stop" button on the ground controller or platform controller to the OFF position and all the functions will stop.

The machine has a red "power off switch" button located on the chassis. Press the button to the OFF position, the system is powered off and all the functions will stop.

To restore any operating function, pull out the "emergency stop" button to the ON position and the power switch is in the ON position.

Emergency Lowering

Pull out emergency drop handle.

Operate on the Ground

1. Left turn the key switch to the ground control position.
2. Pull out emergency stop button (red) to ON position.
3. Connect storage battery well before machine operation.

Adjust the Platform Position

1. Move the up/down toggle switch according to the mark on the control panel.

The traveling and steering functions could not be used with the ground controller.

Operate on the Platform

1. Turn the key switch right to the platform control position.
2. Pull out the "emergency stop buttons" on ground and platform controllers to the position ON.
3. Connect storage battery well before machine operation.

Adjust the Platform Position

1. Press the lift button which shall flash.

2. Press on the function enabling button on the control handle.
3. Move the handle according to the lift indicator on the control panel.

Steering

1. Press the travel and steer button which shall flash.
2. Press and hold the enable button on the control handle.
3. Turn the steering wheel with the thumb rocker type switch on the top of the control handle.



Use color directional arrow of the platform controller to determine the direction in which the wheel is turning.

Driving

1. Press the travel and steer button which shall flash.
2. Press and hold the enable button on the control handle.
3. Increase speed: Move the handle slowly to make it off center.
4. Decrease speed: Move the control handle slowly toward the center position.
5. Stop: Return the control handle to the center position or release the function enable switch.

Use the color directional arrows on the platform controls to determine the direction in which the machine is traveling.

Movement speed of the machine is limited when the platform is raised.

The state of the battery will affect the performance of the machine. When the platform display indicates that the battery is low, the drive speed and lift speed of the machine will decrease.

Selecting drive speed

In retraction position, the drive controller can operate in two different modes of drive speed. The slow mode of drive speed is active when the low-speed travelling button light is on. The fast mode of drive speed is active when the low-speed travelling button light is off.

Press the low-speed travelling button to select the desired drive speed

Attention: When the platform is raised until the fork leaves the high and low-speed limit switch, the low-speed travelling button light flash all the time to indicate that the elevated drive speed is low.

Extend and Retract the Platform

1. Step on the pedal.
2. Grab and push carefully the guardrail of platform extension to extend the platform.

Attention: Do not stand on the extension of the platform when extending the platform. The platform extension can be positioned at three retainer slots; do not operate on the platform extension when it is not fixed.

3. Step on the pedal and pull back the platform to retract the platform; release the pedal to secure the platform extension at the retainer slot.

Unfolding and folding of platform railings

Platform railings may be folded for convenient transportation. Unfold the platform railings for use. Platform railing system consists of the foldable railing part of the extendable platform and the foldable railing part of the fixed platform. All parts shall be fastened on the appropriate positions with four wire rope safety pins.

1. Lower the platform to the bottom and retreat the extendable platform.
2. Take off the platform controller.
3. Remove the front two wire rope safety pins of the extendable platform from the inside

of the platform, and fold the front failings of the extendable platform. Hands shall not be placed where might get hurt.

4. Fold failings at both sides, and hands shall not be placed where might get hurt.
5. Remove the two wire rope safety pins at the rear of the fixed platform.
6. Carefully open the door and move it onto the ladder or floor.
7. Fold the door and right and left railings at the entrance into one device. Hands shall not be placed where might get hurt.
8. Fold railings at both sides. Hands shall not be placed where might get hurt.

When using, unfold the platform railings in the converse sequence. Use the wire rope safety pins when unfolding railings at each side to make sure accurate installation.

For the position relationship of platform railings, please refer to the Whole Machine Instructions.

Operate with the Controller on the Ground

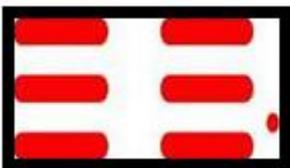
It is necessary to keep safe distance between operator, machine and fixed object.

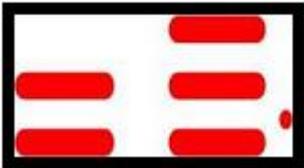
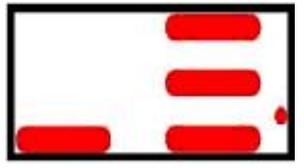
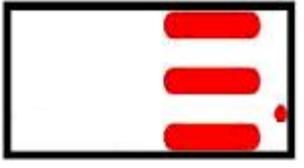
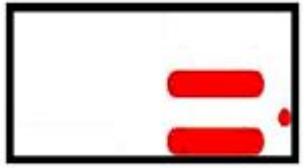
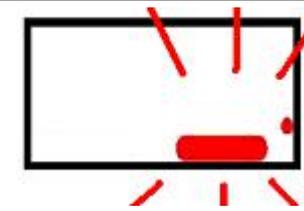
Pay attention to the traveling direction of the machine when using the controller.

When PCU displays the alarm message of "02", press the emergency stop switch immediately.

Storage Battery Energy Indicator Lamp

Use the diagnostic readout display on the platform to determine the power status of the storage battery.

Platform power display	Proportion	Description
	90-100%	The battery has been fully charged

	70%	70% of the battery capacity
	50%	50% of the battery capacity
	30%	30% of the battery capacity
	20%	The batter level is low and the battery must be re-charged
	10%	The battery level is very low and the machine action becomes slow

Charge Storage Battery

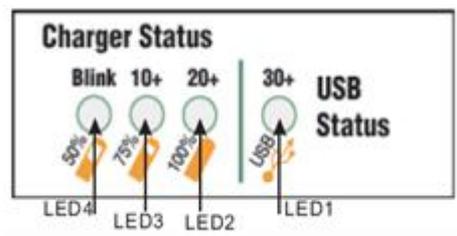
- Do not use charger of an external source.
 - Charge the storage battery in a well-ventilated place.
 - Charge with the correct AC input voltage indicated on the label.
1. Before charging, make sure the battery has been connected and the charging wire is complete.
 2. Connect the charger plug to the grounded AC circuit.
 3. During battery charging, LED indicator lamp of the charger will flash. When it is fully charged, the charging state indicator lamp will be normally on.
 4. When the charging cycle is finished, the charging plug shall be pulled out and placed to the fixed position.

Instruction of charger LED panel:

1.1 When it is connected for charging, LED displays the software version of the charger initially. LED lamp displays the current default charging curve after 3 seconds. The charger enters the charging mode after displaying its current software version and the default charging curve code.

1.2 Battery capacity

Capacity	LED2 (100%) ^①	LED3 (75%) ^②	LED4 (50%) ^③
<50% ^④	↻ ○	↻ ○	★ (闪亮) ^⑤
>50% ^④	↻ ○	★ (闪亮) ^⑤	●
>75% ^④	★ (闪亮) ^⑤	●	●
100% ^④	●	●	●



1.3 The battery charging procedure displayed on LED is shown as follows:

LED1 (USB)	LED2 (100%)	LED3 (75%)	LED4 (50%)
30	20	10	1~9

Transportation and Hoisting Instructions



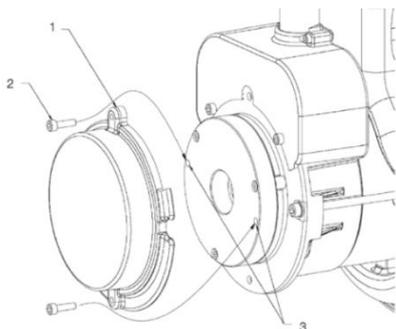
Compliance:

- When using forklift (above 4t) or crane to lift the machine, please keep normal judgment and plan to control the machine movement.
- The transportation vehicle must be parked on the horizontal ground.
- When loading the machine, the transportation vehicle must be fixated to prevent rolling.
- Ensure that the vehicle capacity, loading surface, belt or cable are sufficient to support the machine weight (please refer to the "Specifications").
- The machine must be on the horizontal ground or fixated before releasing the brakes.
- Prevent the guardrail from falling during removing the wire rope safety pin. Always hold on to the guardrail when lowering it.

Brake Releasing Operation

1. Use wedges to chock the wheels to prevent the machine from rolling.





1. Braking cover 2. End cap bolt 3. Separating hole

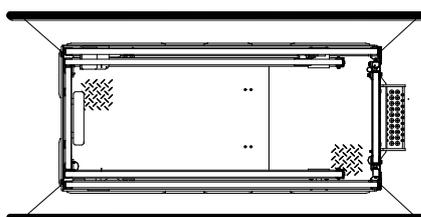
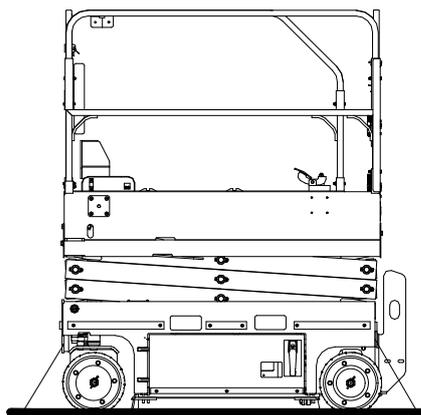
2. Ensure that the drive chassis is fastened and there are no obstacles on the channel.
3. Make sure the battery circuit breaker is pressed to "off" position.
4. Remove two end cap bolts and braking cover.
5. Insert end cap bolts to two separating holes on the braking enclosure.
6. After tightening end cap bolts downwards, the braking on the drive motor will separate.
7. Repeat the step in the opposite wheel drive motor. After two drive motor brakes are separated, the machine can be moved manually.
8. After completing traction, block the wheel and take out end cap bolts from the separating hole.

After Machine Loading

Lock the wheels to prevent the machine from rolling.

Ensure Safe Transportation of Trucks or Trailers

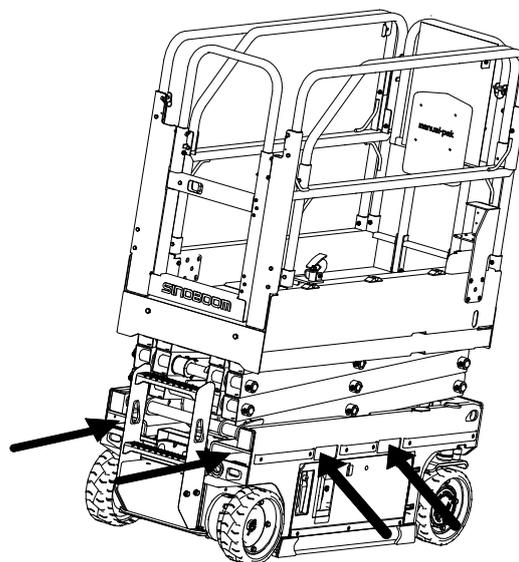
1. Before transportation, turn the key switch to the "OFF" position and remove the key.
2. Inspect the machine thoroughly to prevent loosened or unfixed parts.
3. Make sure that the chain or belt has sufficient strength.
4. Use at least 2 pieces of chains or belts.
5. Adjust locks to prevent damaging chains.



Transfer Machine with Forklift

Make sure the platform extension, controller and underframe components are safe and reliable. Remove all loosened parts from the machine.

Fully lower the platform. The platform must be kept down during transportation.



The forklift fork is aligned to the position of forklift slot.

Drive the forklift forward to fully insert the fork.

Lift the machine by 0.4m and then tilt the fork backward slightly to keep the machine fixated.

Keep machine horizontal when lowering the fork frame.

Attention: Raise machine from side may result in damage to components.

Hoisting Guidance

Lower the platform completely. Ensure that the platform extension, controller and underframe components are safe and reliable. Remove all the loosened parts from the machine.

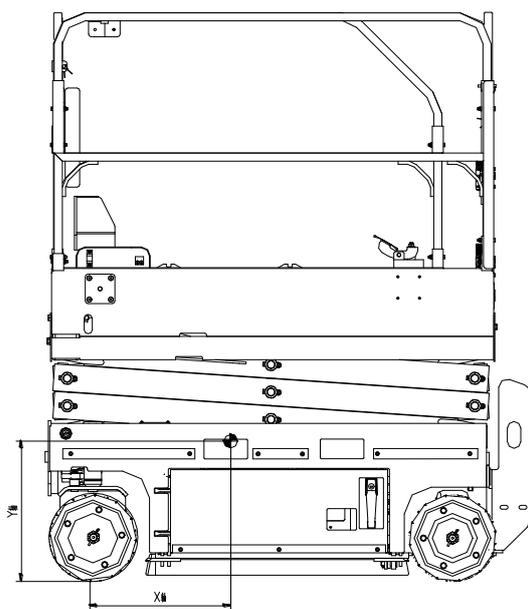
Attention: To protect the platform guardrail, choose the appropriate length of sling.

Determine center of gravity of the machine according to the chart and picture on the page.

Only connect the sling to the lifting point specified on the machine. Adjust the sling to avoid damaging the machine and keep the machine horizontal.

Core table

Model	X axis	Y axis
GTJZ0408SE	602mm	518mm
GTJZ0608SE	651mm	528mm
GTJZ0408ME	602mm	519mm
GTJZ0608ME	651mm	527mm

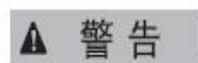


Maintenance



Compliance

- The maintenance and inspection should be completed by trained and competent personnel.
- The regular maintenance inspection consists of daily, quarterly, semiannual, annual and biennial maintenance. The maintenance and inspection personnel must inspect and maintain according to the maintenance and inspection reports, and fill in maintenance and inspection reports in details.



Warning: Failure to carry out maintenance procedures specified

herein **Warning** and regularly may lead to death, serious injury or machine damages.

- The damaged or troubled machine must be labeled and moved away timely.
- The damaged or troubled machine must be repaired before operation.
- All records shall be stored for at least three years.
- The machine which has not been maintained for over three months must be subject to quarterly inspection.
- Unless otherwise specified, the following regulations shall be observed while carrying out the maintenance procedures:

Park the vehicle on level and firm ground.

Engage the platform in loaded state.

Turn the key switch to the position "OFF" and take out the key.

Turn the red emergency stop buttons on platform controller and ground controller to the "OFF" position.

Disconnect all DC power supplies on the machine.

Lock the tires.

Maintenance Schedule

There are five types of repair & inspection to be carried out according to the schedule: Every day, every quarter, every six months, every year and every two years. With consideration of the repeated procedures, the “Regular Repair Procedure Section” and the “Repair & Inspection Report” shall be classified into five sections- A, B, C, D and E. The necessary procedure combination for regular inspection shall be determined according to the following table.

Inspection Interval	Inspection Procedures
Every day or every 8 hours	A
Every quarter or every 250 hours	A+B
Every half a year or every 500 hours	A+B+C
Every year or every 1,000 hours	A+B+C+D
Every two years or every 2,000 hours	A+B+C+D+E

Repair & Inspection Report

The repair & inspection report shall include the inspection table of each regular inspection.

Duplicate the repair & inspection report for each inspection. Store the completed tables for over three years.

Pre-delivery Inspection:

Notice

It is quite necessary to carry out the preparation before delivery.

The pre-delivery inspection must be conducted each time before delivery to find whether there are any obvious errors before putting the machine into service.

Damaged or faulted machine shall not be used. Once a machine is found damaged or abnormal, it should be tagged and removed from service.

The machine repair must be completed by the competent repair personnel strictly following the repair manual.

Daily maintenance must be completed by the competent operator according to the provisions of this Manual.

Description:

Use the operation manual for this machine.

The preparation before delivery includes inspection before delivery, maintenance procedures and functional inspections.

Record the inspection results. If any inspection result is N, it is necessary to stop the machine, repair the machine and then re-inspect the machine, and mark R.

Notes:

Y—Yes, the machine is in good condition.

N—No, the machine has trouble.

R—Repaired, the machine has been repaired.

Record Form of Preparation before Delivery			
Items	Y	N	R
Inspection before Delivery			
Maintenance Procedures			
Functional Inspections			

Model _____

Serial No. _____

Date _____

User _____

Signature of Inspector _____

Position of Inspector _____

Organization of Inspector _____

Maintenance Record Form:

Model _____

Serial No. _____

Date _____

User _____

Signature of Inspector _____

Position of Inspector _____

Organization of Inspector _____

Description:

Record the following results after inspection on each step.

Time Interval _____ Inspection Procedures _____

Every day or every 8 hours _____ A _____

Every quarter or every 250 hours _____ A+B _____

Every half a year or every 500 hours _____ A+B+C _____

Every year or every 1,000 hours _____ A+B+C+D _____

Every two years or every 2,000 hours _____ A+B+C+D+E _____

Inspect according to the steps in this section to get acquainted with the inspection procedures.

Record the inspection results. If any inspection result is N, it is necessary to stop the machine, repair the machine and then re-inspect the machine, and mark R.

Notes:

Y—Yes, the machine is in good condition.

N—No, the machine has trouble.

R—Repaired, the machine has been repaired.

Items	Y	N	R
A-1 Inspect All Manuals			
A-2 Inspect All Labels			
A-3 Inspect Damaged, Loose or Lost Parts			
A-4 Inspect Hydraulic Oil Level			
A-5 Inspect Hydraulic Oil Leakage			
A-6 Functional Inspections			
Carry out Inspections of New Vehicle after 40 Working Hours			
A-7 Carry out Maintenance after 30 Days			
Carry out Inspections Every 125 Hours			
A-8 Inspect Battery			

Record Form B			
Items	Y	N	R
B-1 Inspect Electric Wires			
B-2 Inspect Rim and Tire (Including Mounting Nuts)			
B-3 Test Key Switch			
B-4 Test Emergency Stop Buttons			
B-5 Test Horn			
B-6 Test Braking Device			
B-7 Test Traveling Speed (Platform in Lifted State)			
B-8 Test Traveling Speed (Platform in Fully Retracted State)			
B-9 Test Full Lifting and Full Lowering Time			
B-10 Inspect Hydraulic Oil			
B-10 Inspect Hydraulic Oil			

Record Form C			
Items	Y	N	R
C-1 Replace Air Filter of Hydraulic Oil Tank			
C-2 Inspect Platform Weighing System (Optional)			

Record Form A

Record Form D			
Items	Y	N	R
D-1 Inspect Scissor Arm Installation Bearing			
D-2 Inspect Underframe Slider			
D-3 Replace Return Oil Filter Element of Hydraulic Oil Tank			

Record Form E			
Items	Y	N	R
E-1 Inspect and Replace Hydraulic Oil			

Labeling Instructions

Use proper inspection methods to check that all the labels are easy to identify and appropriately positioned. Replace any missed or damaged safety signs. Use neutral soap and clean water to clean the safety signs.

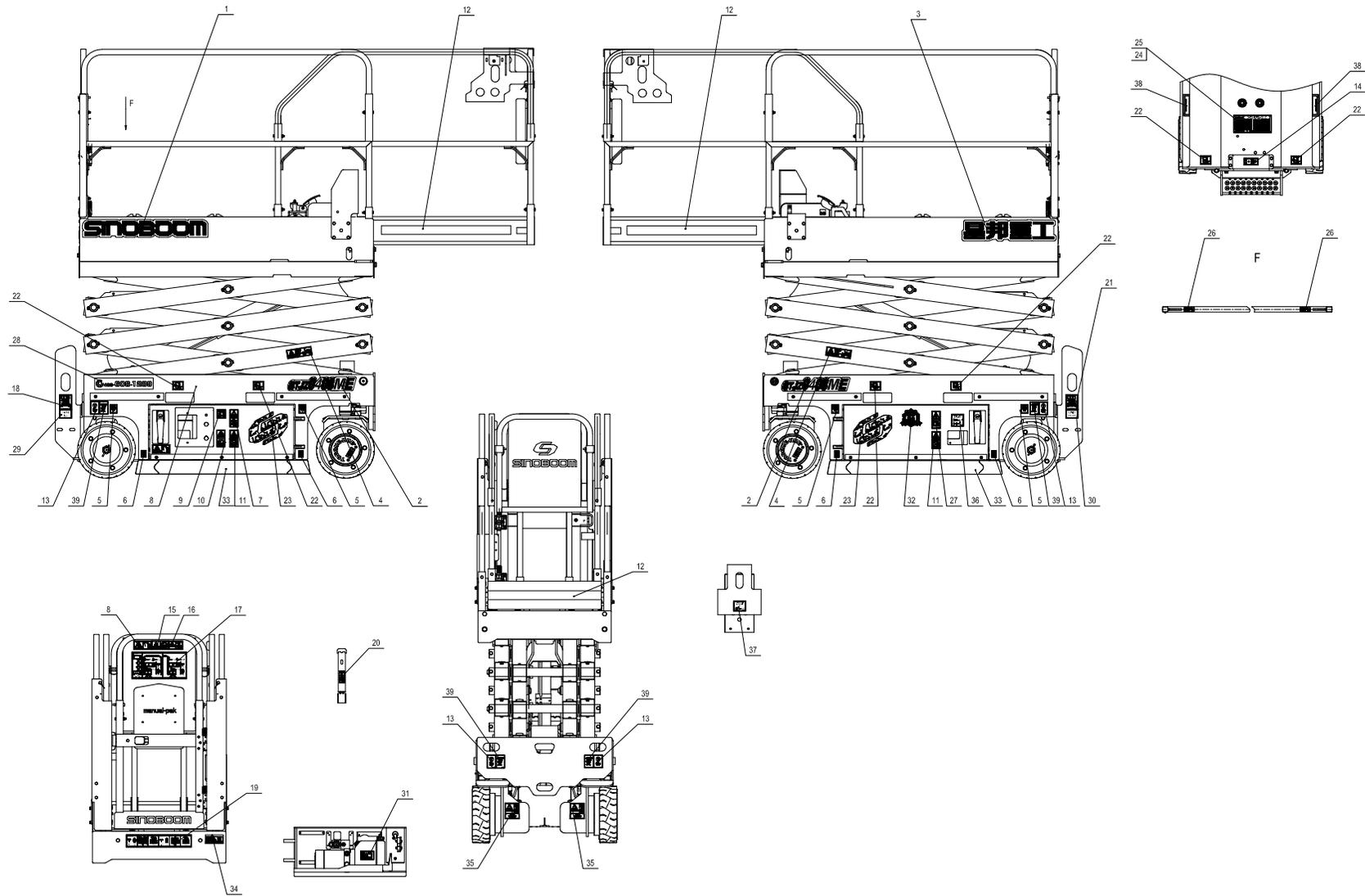
Do not use solvent-based detergents because these cleaners may damage safety identification materials.

The following is a list of labels with quantity and description.

Decals(GB)-GTJZ0408SE&0608SE&0408ME&0608ME

No	Feature number	Name	Quantity
1	101046100009	SINOBOOM	1
2	101055000006	Tag--GTJZ0408ME	2
	101056000006	Tag--GTJZ0608ME	
	101055000016	Tag--GTJZ0408SE	
	101058000006	Tag--GTJZ0608SE	
3	101046100007	Decal-SINOBOOM	1
4	101012100018	Decal-Crush hazard	2
5	101012100013	Tire under the maximum pressure	4
6	101012100020	Beware of cramming or breaking feet	4
7	101038100002	The machine can only be opened and repaired by professional maintenance personnel with a key. Be cautious of hot or high pressure liquid spray, read Operation Manual	1
8	101012100005	Keep a certain distance away from wire and be wary of electric shocks	2
9	101014100018	Ground control ascending and descending buttons	1
10	101014100017	Read Operation Manual	1
11	101038100008	Far away from smoke and fire	2
12	216060000004	Attention line, 50mm wide	4
13	101014100020	Hoisting position	4
14	101012100011	Emergency drop handle	1
15	101040100005	Read Operation Manual	1
16	101040100009	When the tilt alarm bell rings, lower the platform and drive the machine to the horizontal surface	1
17	101055000008	Tag--Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056000008	Tag--Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101055000018	Tag--Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058000008	Tag--Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	
18	101014100007	Electric plug for platform	1
19	101055000007	Tag--Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056000007	Tag--Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101055000017	Tag--Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058000007	Tag--Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	

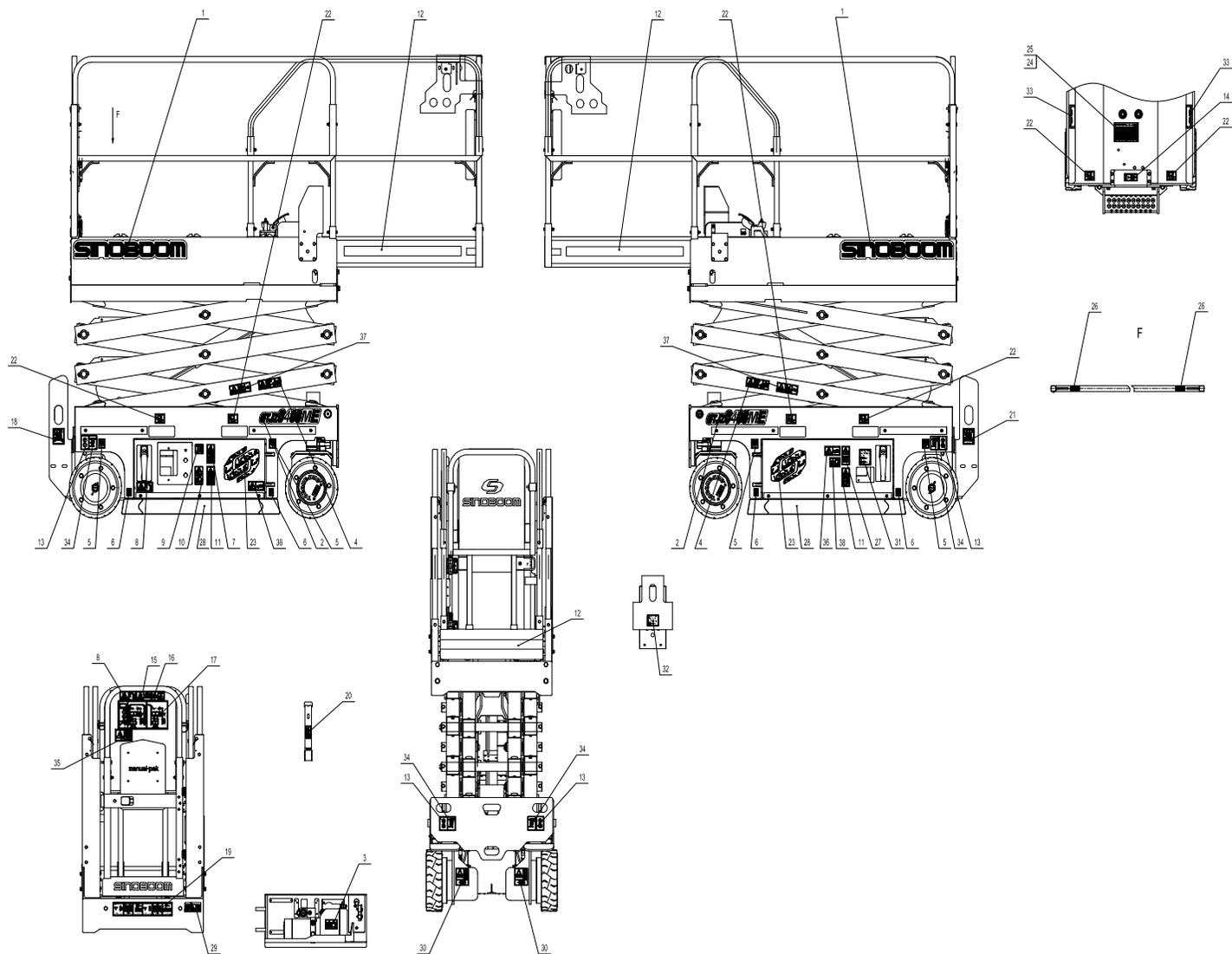
20	101040100010	Be careful not to touch the fork arm in the movement, please fix the safety rod before repair, read the repair manual	1
21	101014100008	Decal-Charger plug	1
22	101012100026	Fork lifting position	6
23	101040100012	LOGO	2
24	215050000001	Rivet 3X8 GB/T12618	4
25	101016100042	CE Nameplate	1
26	101016100030	Fix the safety rod before maintenance. Read the Maintenance Manual.	4
27	101038100007	Read Operation Manual	1
28	101014100034	Decal-Service hotline	1
29	101023100011	Decal-Platform electrical plug(CN)	1
30	101023100012	Decal-Charger plug(CN)	1
31	101014100022	Decal-Do not press or damage hydraulic tank	1
32	101038100010	Decal-Two-year warranty	1
33	216060000003	Attention line, 100mm wide	3
34	101058103001	IPAF	1
35	101040103008	Motor brake release	2
36	101055103017	Decal-Emergency stop handle (CN)	1
37	101055103016	Decal-Emergency stop switch (CN)	1
38	101014100032	Decal-Serial number	2
39	101014100021	Decal-Tiedown	4



Decals(CE)-GTJZ0408SE&0608SE&0408ME&0608ME

No	Feature number	Name	Quantity
1	101046100009	SINOBOOM	2
2	101055000006	Decal--GTJZ0408ME	2
	101056000006	Decal--GTJZ0608ME	
	101055000016	Decal--GTJZ0408SE	
	101058000006	Decal--GTJZ0608SE	
3	101014100022	Decal-Do not press or damage hydraulic tank	1
4	101012100018	Decal-Crush hazard	2
5	101012100013	Tire under the maximum pressure	4
6	101012100020	Beware of cramming or breaking feet	4
7	101038100002	The machine can only be opened and repaired by professional maintenance personnel with a key. Be cautious of hot or high pressure liquid spray, read Operation Manual	1
8	101012100005	Keep a certain distance away from wire and be wary of electric shocks	2
9	101014100018	Ground control ascending and descending buttons	1
10	101014100017	Read Operation Manual	1
11	101038100008	Far away from smoke and fire	2
12	216060000004	Attention line, 50mm wide	4
13	101014100020	Hoisting position	4
14	101012100011	Emergency drop handle	1
15	101040100005	Read Operation Manual	1
16	101040100009	When the tilt alarm bell rings, lower the platform and drive the machine to the horizontal surface	1
17	101055000008	Decal--Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056000008	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101055000018	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058000008	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	
18	101014100007	Electric plug for platform	1
19	101055000007	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056000007	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101055000017	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058000007	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	
20	101040100010	Be careful not to touch the fork arm in the movement, please fix the safety rod before repair, read the repair manual	1
21	101014100008	Decal-Charger plug	1
22	101012100026	Fork lifting position	6
23	101040100012	LOGO	2
24	215050000012	Rivet 3X8 GB/T126184X8 GB/T12618	4
25	101012100037	Nameplate (CE)	1
26	101016100030	Fix the safety rod before maintenance. Read the Maintenance Manual.	4

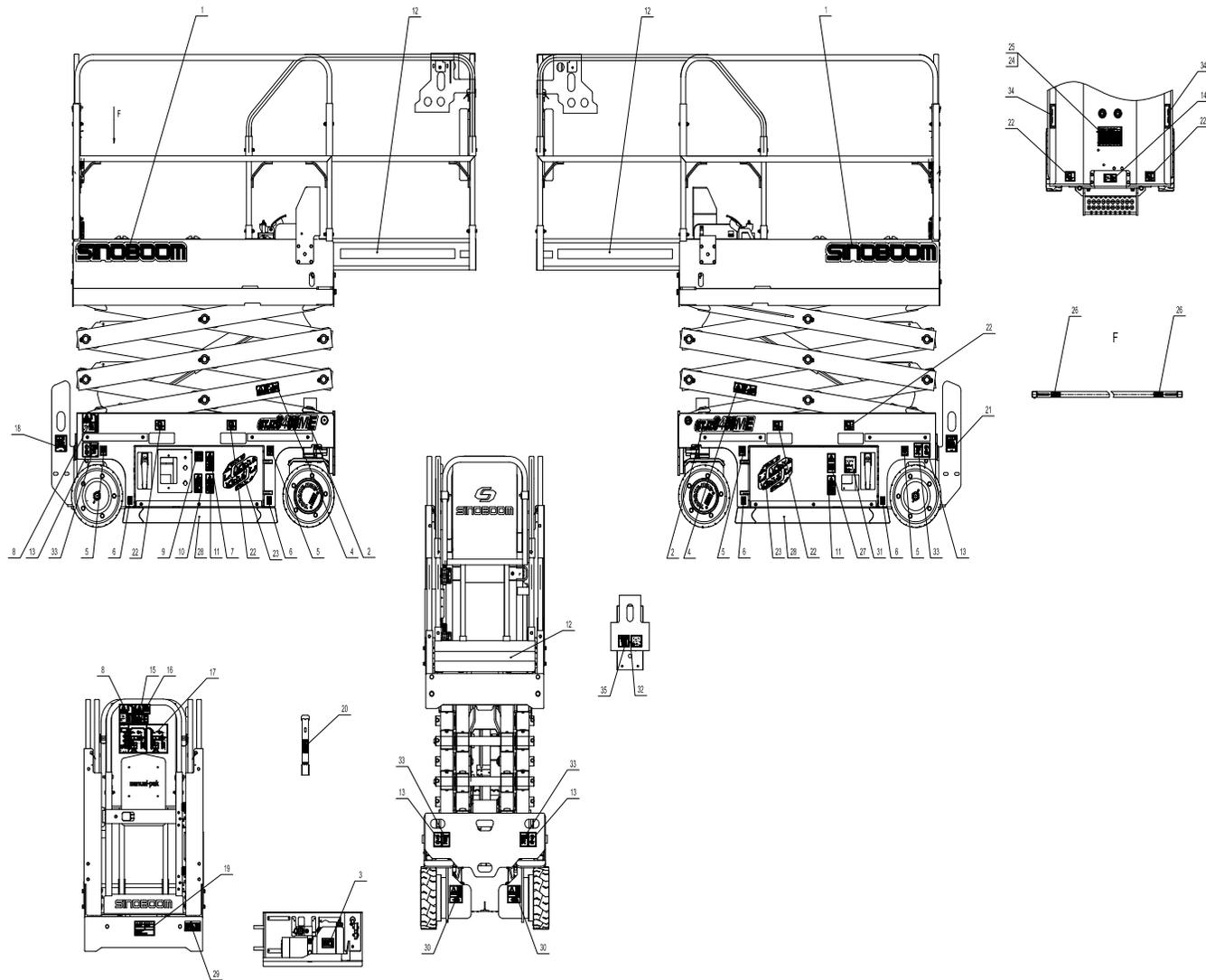
27	101038100007	Read Operation Manual	1
28	216060000003	Attention line, 100mm wide	3
29	101058103001	IPAF	1
30	101040103008	Motor brake release	2
31	101055103018	Decal-Emergency stop handle (EN)	1
32	101055103015	Decal-Emergency stop switch (EN)	1
33	101014100032	Decal-Serial number	2
34	101014100021	Decal-Tiedown	4
35	101012100019	When the tilt alarm bell rings, lower the platform and drive the machine to the horizontal surface	1
36	101012100008	Decal-Close the chassis door	2
37	101012100029	Decal-Engage safety arm	2
38	101041103020	Decal-Battery weight 120 kg(265 lbs)	1



Decals(AS)-GTJZ0408SE&0608SE&0408ME&0608ME

No	Feature number	Name	Quantity
1	101046100009	SINOBOOM	2
2	101055000006	Decal --GTJZ0408ME	2
	101056000006	Decal --GTJZ0608ME	
	101055000016	Decal --GTJZ0408SE	
	101058000006	Decal --GTJZ0608SE	
3	101014100022	Decal-Do not press or damage hydraulic tank	1
4	101012100018	Decal-Crush hazard	2
5	101012100013	Tire under the maximum pressure	4
6	101012100020	Beware of cramming or breaking feet	4
7	101038100002	The machine can only be opened and repaired by professional maintenance personnel with a key. Be cautious of hot or high pressure liquid spray, read Operation Manual	1
8	101055103019	Decal-Keep away telegraph pole	2
9	101014100018	Ground control ascending and descending buttons	1
10	101014100017	Read Operation Manual	1
11	101038100008	Far away from smoke and fire	2
12	216060000004	Attention line, 50mm wide	4
13	101014100020	Hoisting position	4
14	101012100011	Emergency drop handle	1
15	101040100005	Read Operation Manual	1
16	101040100009	When the tilt alarm bell rings, lower the platform and drive the machine to the horizontal surface	1
17	101055000008	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056000008	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101055000018	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058000008	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	
18	101014100007	Electric plug for platform	1
19	101055000009	Decal	1
	101056000009	Decal	
	101055000019	Decal	
	101058000009	Decal	
20	101040100010	Be careful not to touch the fork arm in the movement, please fix the safety rod before repair, read the repair manual	1
21	101014100008	Decal-Charger plug	1
22	101012100026	Fork lifting position	6
23	101040100012	LOGO	2
24	215050000003	Rivet 3X8 GB/T126184x16 GB/T 12618	4
25	101012100038	Nameplate	1
26	101016100030	Fix the safety rod before maintenance. Read the Maintenance Manual.	4
27	101038100007	Read Operation Manual	1

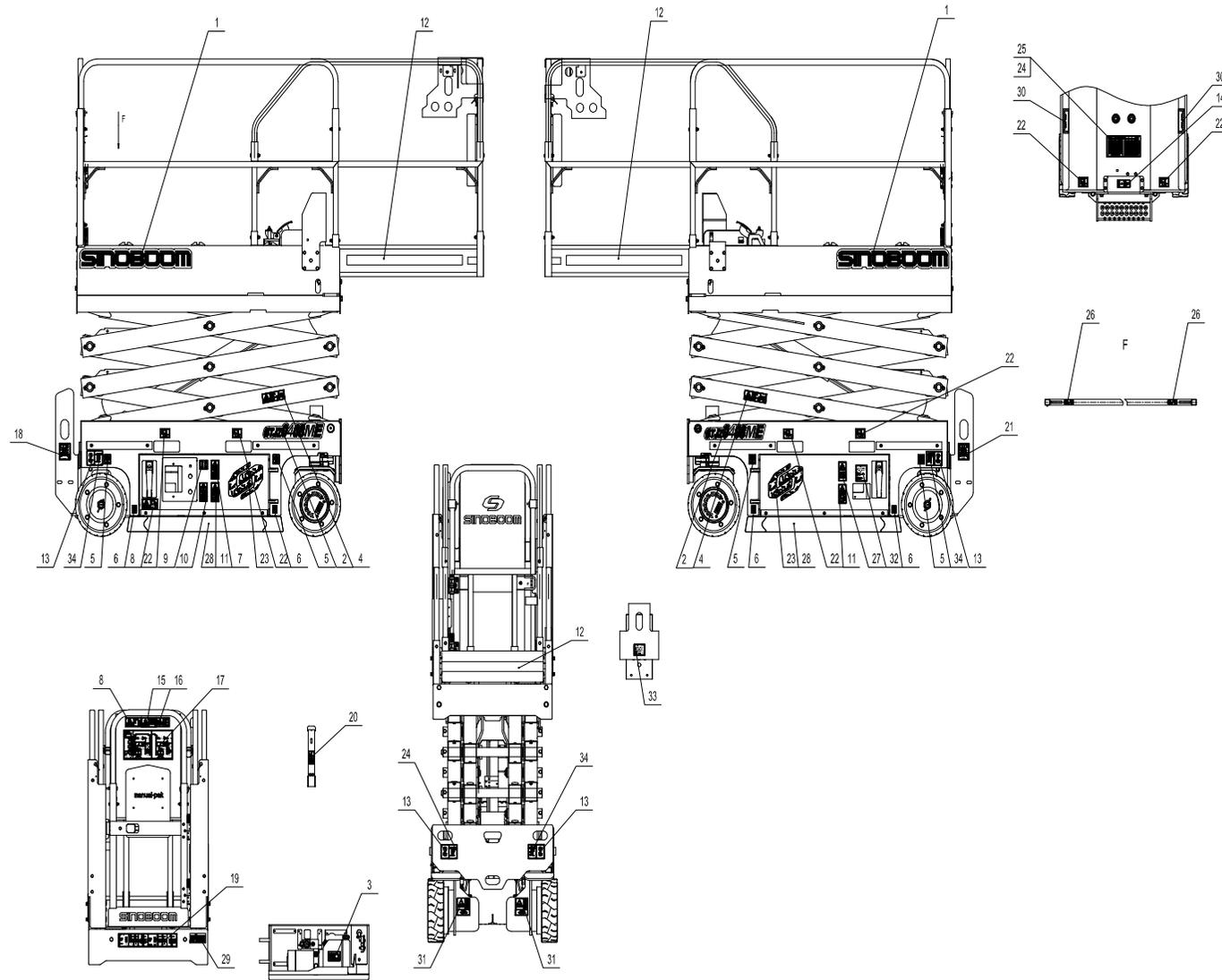
28	216060000003	Attention line, 100mm wide	3
29	101058103001	IPAF	1
30	101040103008	Motor brake release	2
31	101055103018	Decal-Emergency stop handle (EN)	1
32	101055103015	Decal-Emergency stop switch (EN)	1
33	101014100021	Decal-Tiedown	4
34	101014100032	Decal-Serial number	2
35	101040103014	Decal-Detachable bracket	1



Decals(KC)-GTJZ0408SE&0608SE&0408ME&0608ME

No	Feature number	Name	Quantity
1	101046100009	SINOBOOM	2
2	101055000006	Decal --GTJZ0408ME	2
	101056000006	Decal --GTJZ0608ME	
	101055000016	Decal --GTJZ0408SE	
	101058000006	Decal --GTJZ0608SE	
3	101014100022	Decal-Do not press or damage hydraulic tank	1
4	101012100018	Decal-Crush hazard	2
5	101012100013	Tire under the maximum pressure	4
6	101012100020	Beware of cramming or breaking feet	4
7	101038100002	The machine can only be opened and repaired by professional maintenance personnel with a key. Be cautious of hot or high pressure liquid spray, read Operation Manual	1
8	101012100005	Keep a certain distance away from wire and be wary of electric shocks	2
9	101014100018	Ground control ascending and descending buttons	1
10	101014100017	Read Operation Manual	1
11	101038100008	Far away from smoke and fire	2
12	216060000004	Attention line, 50mm wide	4
13	101014100020	Hoisting position	4
14	101012100011	Emergency drop handle	1
15	101040100005	Read Operation Manual	1
16	101040100009	When the tilt alarm bell rings, lower the platform and drive the machine to the horizontal surface	1
17	101055000008	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056000008	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101055000018	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058000008	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	
18	101014100007	Electric plug for platform	1
19	101055000007	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056000007	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101055000017	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058000007	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	
20	101040100010	Be careful not to touch the fork arm in the movement, please fix the safety rod before repair, read the repair manual	1
21	101014100008	Decal-Charger plug	1
22	101012100026	Fork lifting position	6
23	101040100012	LOGO	2
24	215050000001	Rivet 3X8 GB/T12618	4
25	101015100026	Nameplate	1
26	101016100030	Fix the safety rod before maintenance. Read the Maintenance Manual.	4

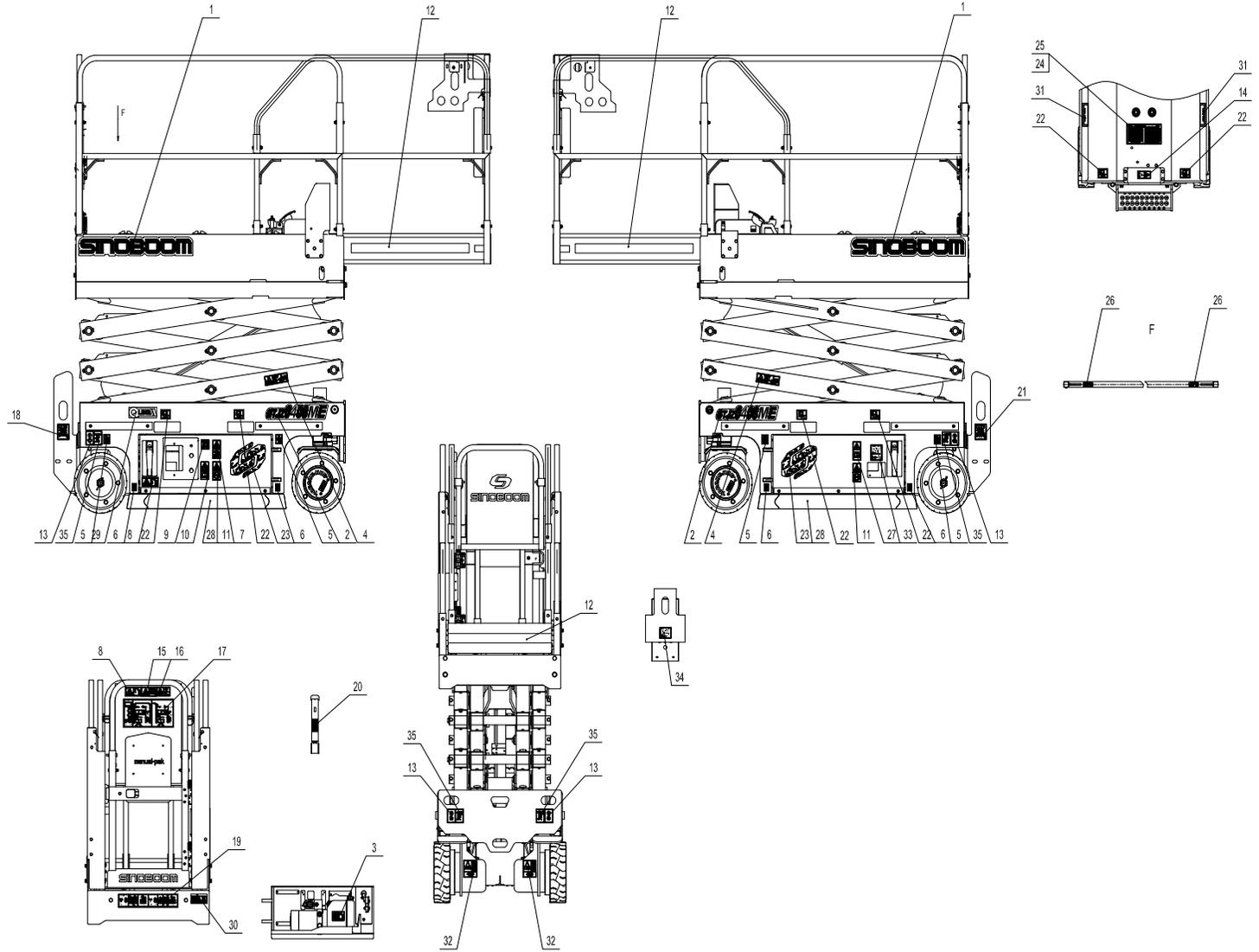
27	101038100007	Read Operation Manual	1
28	216060000003	Attention line, 100mm wide	3
29	101058103001	IPAF	1
30	101014100032	Decal-Serial number	2
31	101040103008	Motor brake release	2
32	101055103018	Decal-Emergency stop handle (EN)	1
33	101055103015	Decal-Emergency stop switch (EN)	1
34	101014100021	Decal-Tiedown	4



Decals(CE-PL)-GTJZ0408SE&0608SE&0408ME&0608ME

No	Feature number	Name	Quantity
1	101046100009	SINOBOOM	2
2	101055000006	Decal --GTJZ0408ME	2
	101056000006	Decal --GTJZ0608ME	
	101055000016	Decal --GTJZ0408SE	
	101058000006	Decal --GTJZ0608SE	
3	101014100022	Decal-Do not press or damage hydraulic tank	1
4	101012100018	Decal-Crush hazard	2
5	101055103011	Tire under the maximum pressure	4
6	101012100020	Beware of cramming or breaking feet	4
7	101038100002	The machine can only be opened and repaired by professional maintenance personnel with a key. Be cautious of hot or high pressure liquid spray, read Operation Manual	1
8	101012100005	Keep a certain distance away from wire and be wary of electric shocks	2
9	101014100018	Ground control ascending and descending buttons	1
10	101014100017	Read Operation Manual	1
11	101038100008	Far away from smoke and fire	2
12	216060000004	Attention line, 50mm wide	4
13	101014100020	Hoisting position	4
14	101012100011	Emergency drop handle	1
15	101040100005	Read Operation Manual	1
16	101040100009	When the tilt alarm bell rings, lower the platform and drive the machine to the horizontal surface	1
17	101055000008	Decal --Platform carrying 280K (GTJZ0408ME)	1
	101056000008	Decal --Platform carrying 230K (GTJZ0608ME)	
	101055000018	Decal --Platform carrying 280K (GTJZ0408SE)	
	101058000008	Decal --Platform carrying 230K (GTJZ0608SE)	
18	101014100007	Electric plug for platform	1
19	101055000007	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056000007	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101055000017	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058000007	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	
20	101040100010	Be careful not to touch the fork arm in the movement, please fix the safety rod before repair, read the repair manual	1
21	101014100008	Decal-Charger plug	1
22	101012100026	Fork lifting position	6
23	101040100012	LOGO	2
24	215050000001	Rivet 3X8 GB/T12618	4
25	101015100014	Nameplate	1
26	101016100030	Fix the safety rod before maintenance. Read the Maintenance Manual.	4

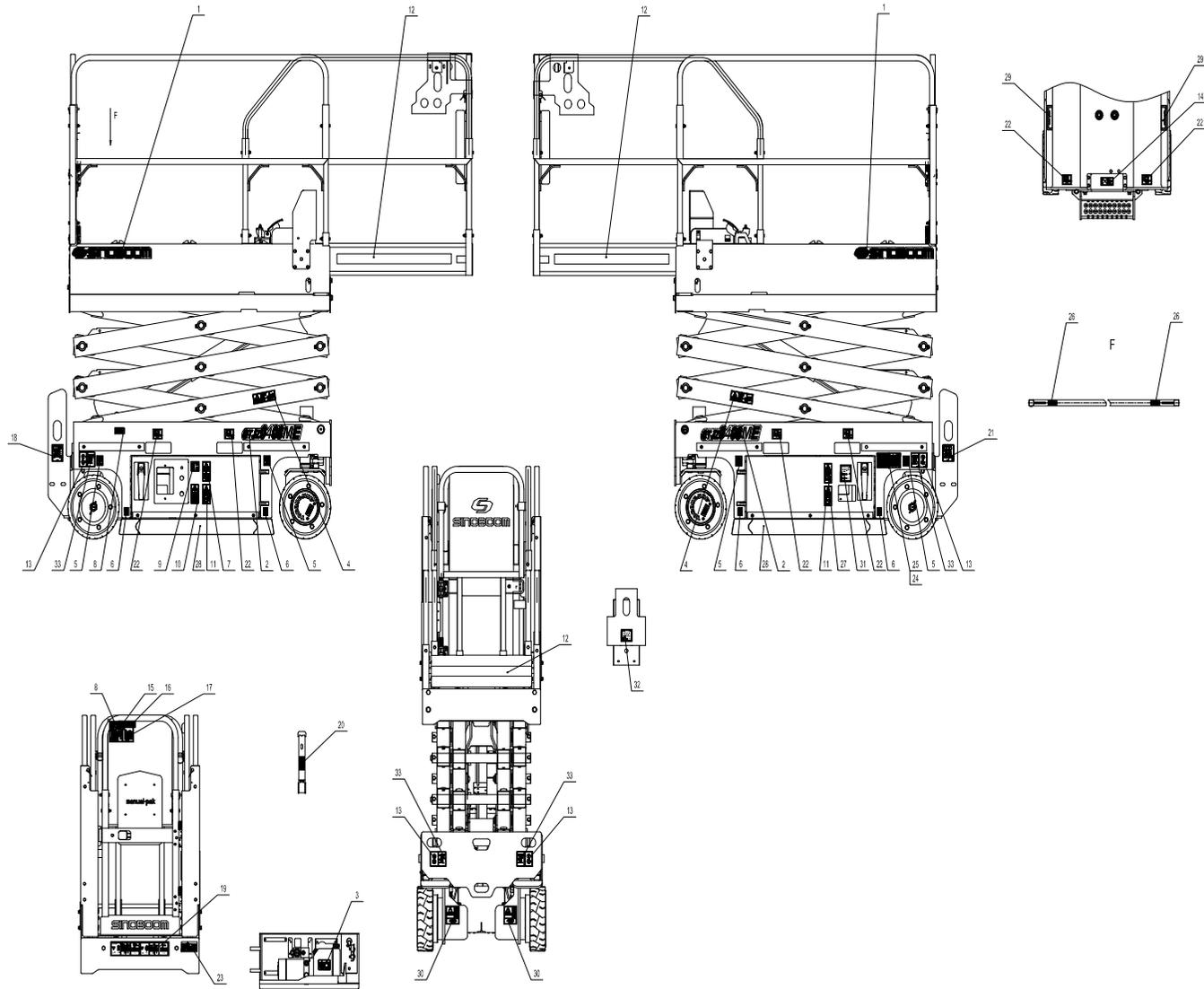
27	101038100007	Read Operation Manual	1
28	216060000003	Attention line, 100mm wide	3
29	101058103000	Q-LINE_LOGO (Small)	1
30	101058103001	IPAF	1
31	101014100032	Decal-Serial number	2
32	101040103008	Motor brake release	2
33	101055103018	Decal-Emergency stop handle (EN)	1
34	101055103015	Decal-Emergency stop switch (EN)	1
35	101014100021	Decal-Tiedown	4



Decals(CE-JP)-GTJZ0408SE&0608SE&0408ME&0608ME

No	Feature number	Name	Quantity
1	101053103004	SINOBOOM	2
2	101055000006	Decal --GTJZ0408ME	2
	101056000006	Decal --GTJZ0608ME	
	101055000016	Decal --GTJZ0408SE	
	101058000006	Decal --GTJZ0608SE	
3	101014100022	Decal-Do not press or damage hydraulic tank	1
4	101012100018	Decal-Crush hazard	2
5	101012100013	Tire under the maximum pressure	4
6	101012100020	Beware of cramming or breaking feet	4
7	101038100002	The machine can only be opened and repaired by professional maintenance personnel with a key. Be cautious of hot or high pressure liquid spray, read Operation Manual	1
8	101053103005	Decal-Keep away telegraph pole	2
9	101014100018	Ground control ascending and descending buttons	1
10	101014100017	Read Operation Manual	1
11	101038100008	Far away from smoke and fire	2
12	216060000004	Attention line, 50mm wide	4
13	101014100020	Hoisting position	4
14	101012100011	Emergency drop handle	1
15	101054103001	Read Operation Manual	1
16	101054103002	When the tilt alarm bell rings, lower the platform and drive the machine to the horizontal surface	1
17	101055103001	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056103000	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101057103001	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058103002	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	
18	101014100007	Electric plug for platform	1
19	101055000007	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408ME)	1
	101056000007	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608ME)	
	101055000017	Decal --Platform carrying 280 kg(617 lbs) (GTJZ0408SE)	
	101058000007	Decal --Platform carrying 230 kg(507 lbs) (GTJZ0608SE)	
20	101040100010	Be careful not to touch the fork arm in the movement, please fix the safety rod before repair, read the repair manual	1
21	101014100008	Decal-Charger plug	1
22	101012100026	Fork lifting position	6
23	101058103001	IPAF	1
24	215050000001	Rivet 3X8 GB/T12618	4
25	101055103002	Nameplate	1
26	101016100030	Fix the safety rod before maintenance. Read the	4

		Maintenance Manual.	
27	101038100007	Read Operation Manual	1
28	216060000003	Attention line, 100mm wide	3
29	101014100032	Decal-Serial number	2
30	101040103008	Motor brake release	2
31	101055103018	Decal-Emergency stop handle (EN)	1
32	101055103015	Decal-Emergency stop switch (EN)	1
33	101014100021	Decal-Tiedown	4



Decals(ANSI)-GTJZ0408SE&0608SE&0408ME&0608ME

No	Feature number	Name	Quantity
1	101046100009	SINOBOOM	2
2	101055000006	Decal --GTJZ0408ME	2
	101056000006	Decal --GTJZ0608ME	
	101055000016	Decal --GTJZ0408SE	
	101058000006	Decal --GTJZ0608SE	
3	101014100022	Decal-Do not press or damage hydraulic tank	1
4	101012100018	Decal-Crush hazard	2
5	101036103002	Tire under the maximum pressure(American)	4
6	101012100020	Beware of cramming or breaking feet	4
7	101038100002	The machine can only be opened and repaired by professional maintenance personnel with a key. Be cautious of hot or high pressure liquid spray, read Operation Manual	1
8	101040103013	Decal-Keep away telegraph pole (American)	2
9	101014100018	Ground control ascending and descending buttons	1
10	101014100017	Read Operation Manual	1
11	101038100008	Far away from smoke and fire	2
12	216060000004	Attention line, 50mm wide	4
13	101014100020	Hoisting position	4
14	101012100011	Emergency drop handle	1
15	101040100005	Read Operation Manual	1
16	101040100009	When the tilt alarm bell rings, lower the platform and drive the machine to the horizontal surface	1
17	101055103022	Decal-GTJZ0408ME Platform maximum capacity (ANSI)	1
	101056103016	Decal-GTJZ0608ME Platform maximum capacity (ANSI)	
	101057103017	Decal-GTJZ0408SE Platform maximum capacity (ANSI)	
	101058103011	Decal-GTJZ0608SE Platform maximum capacity (American)	
18	101014100007	Electric plug for platform	1
19	101055103023	Decal-GTJZ0408ME Platform maximum capacity (ANSI)	1
	101056103017	Decal-GTJZ0608ME Platform maximum capacity (ANSI)	
	101057103018	Decal-GTJZ0408SE Platform maximum capacity (ANSI)	
	101058103012	Decal-GTJZ0608SE Wind platform maximum capacity(American)	
20	101040100010	Be careful not to touch the fork arm in the movement, please fix the safety rod before repair, read the repair manual	1
21	101014100008	Decal-Charger plug	1
22	101012100026	Fork lifting position	6
23	101040100012	LOGO	2
24	215050000012	Rivet 3X8 GB/T126184X8 GB/T12618	4
25	101048103010	Nameplate (ANSI)	1
26	101016100030	Fix the safety rod before maintenance. Read the Maintenance Manual.	4

27	101038100007	Read Operation Manual	1
28	216060000003	Attention line, 100mm wide	3
29	101058103001	IPAF	1
30	101040103008	Motor brake release	2
31	101055103018	Decal-Emergency stop handle (EN)	1
32	101055103015	Decal-Emergency stop switch (EN)	1
33	101014100032	Decal-Serial number	2
34	101014100021	Decal-Tiedown	4
35	101040103014	Decal-Detachable bracket	1
36	101040103015	Decal-Annual inspection	1
37	101012100029	Decal-Engage safety arm	2
38	101012100019	When the tilt alarm bell rings, lower the platform and drive the machine to the horizontal surface	1
39	101012100008	Decal-Close the chassis door	2
40	101055103024	Decal-Battery weight(ANSI)	1

