Genie®
A TEREX COMPANY

Operator's Manual

GS-2668DC
GS-3268DC

CE

with
Maintenance
Information

Original Instructions
Fifth Edition
First Printing
Part No. 133557

Important

Read, understand and obey these safety rules and operating instructions before operating this machine. Only trained and authorized personnel shall be permitted to operate this machine. This manual should be considered a permanent part of your machine and should remain with the machine at all times. If you have any questions, please call Genie Industries.

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CE Complies with EC Directive 2006/42/EC
See EC Declaration of Conformity

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Printed in U.S.A.

Introduction

Owners, Users and Operators:

Genie appreciates your choice of our machine for your application. Our number one priority is user safety, which is best achieved by our joint efforts. We feel that you make a major contribution to safety if you, as the equipment users and operators:

1 **Comply** with employer, job site and governmental rules.

2 **Read, understand and follow** the instructions in this and other manuals supplied with this machine.

3 **Use good safe work practices** in a common sense way.

4 **Only have trained/certified operators,** directed by informed and knowledgeable supervision, running the machine.

If there is anything in this manual that is not clear or which you believe should be added, please contact us.

Internet: www.genielift.com

E-mail: techpub@genieind.com



Danger

Failure to obey the instructions and safety rules in this manual will result in death or serious injury.

Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

Know and understand the safety rules before going on to the next section.

2 Always perform a pre-operation inspection.

3 Always perform function tests prior to use.

4 Inspect the workplace.

5 Only use the machine as it was intended.

☑ You read, understand and obey the manufacturer's instructions and safety rules—safety and operator's manuals and machine decals.

☑ You read, understand and obey employer's safety rules and worksite regulations.

☑ You read, understand and obey all applicable governmental regulations.

☑ You are properly trained to safely operate the machine.

Introduction

Hazard Classification

Genie uses symbols, color coding and signal words to identify the following:



Safety alert symbol—used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠DANGER
Red

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠WARNING
Orange

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠CAUTION
Yellow

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE
Blue

Indicates a hazardous situation which, if not avoided, could result in property damage.

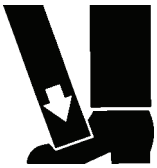
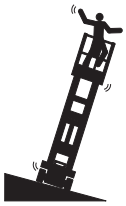
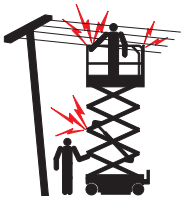
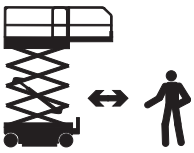
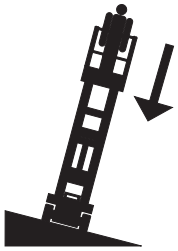
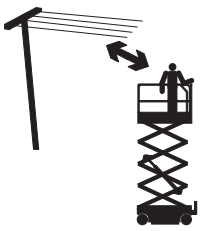
Intended Use

This machine is intended to be used only to lift personnel, along with their tools and materials to an aerial work site.

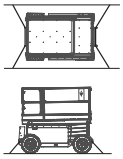
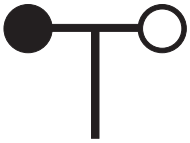
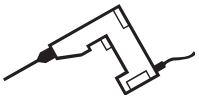
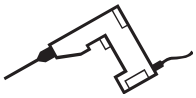
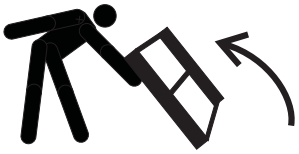
Safety Sign Maintenance

Replace any missing or damaged safety signs. Keep operator safety in mind at all times. Use mild soap and water to clean safety signs. Do not use solvent-based cleaners because they may damage the safety sign material.

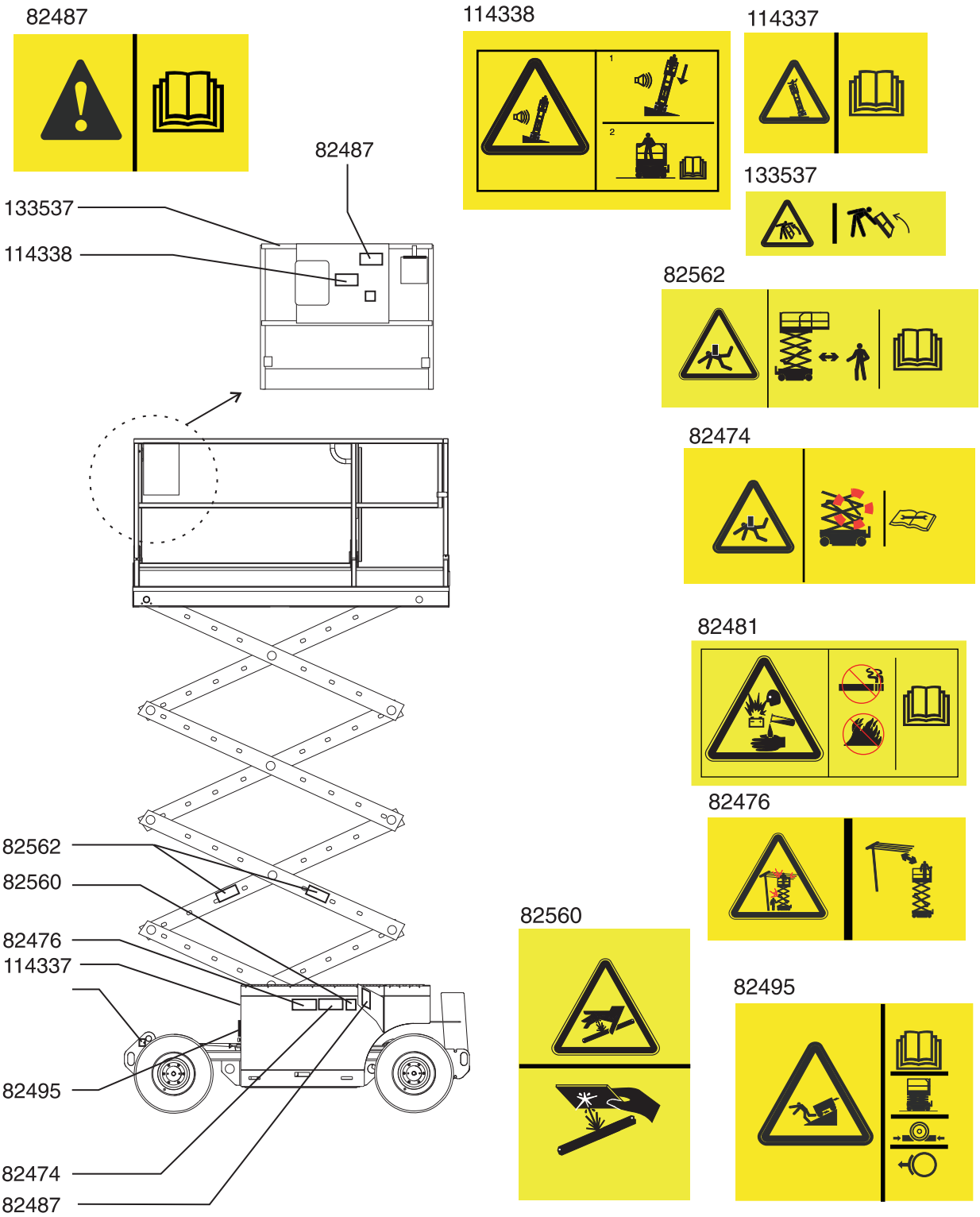
Symbol and Hazard Pictorials Definitions

 Read the operator's manual	 Read the service manual	 Crush hazard	 Crush hazard	 Collision hazard
 Tip-over hazard	 Tip-over hazard	 Tip-over hazard	 Tip-over hazard	 Electrocution hazard
 Electrocution hazard	 Explosion hazard	 Fire hazard	 Burn hazard	 Skin injection hazard
 Engage safety arm	 Keep away from moving parts	 Keep clear of outriggers and tires	 Move machine to level ground	 Close chassis tray
 Lower the platform	 Do not set up where it cannot be leveled with outriggers	 Maintain required clearance	 Only trained maintenance personnel should access compartments	 Use a piece of cardboard or paper to search for leaks

Symbol and Hazard Pictorials Definitions

 Chock the wheels	 Release brakes	 Tiedown	 Lanyard attachment point	 No smoking
 Wheel load	 Transport diagram	 Side force	 Wind speed	
 Voltage rating for power to platform	 Pressure rating for air line to platform	 Maximum capacity	 Crushing hazard	
 Hold rail while lowering				

General Safety

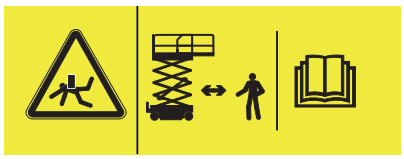


General Safety

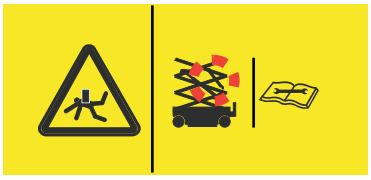
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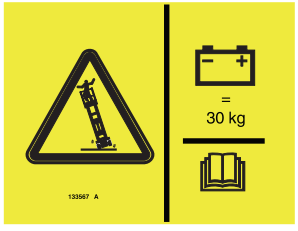
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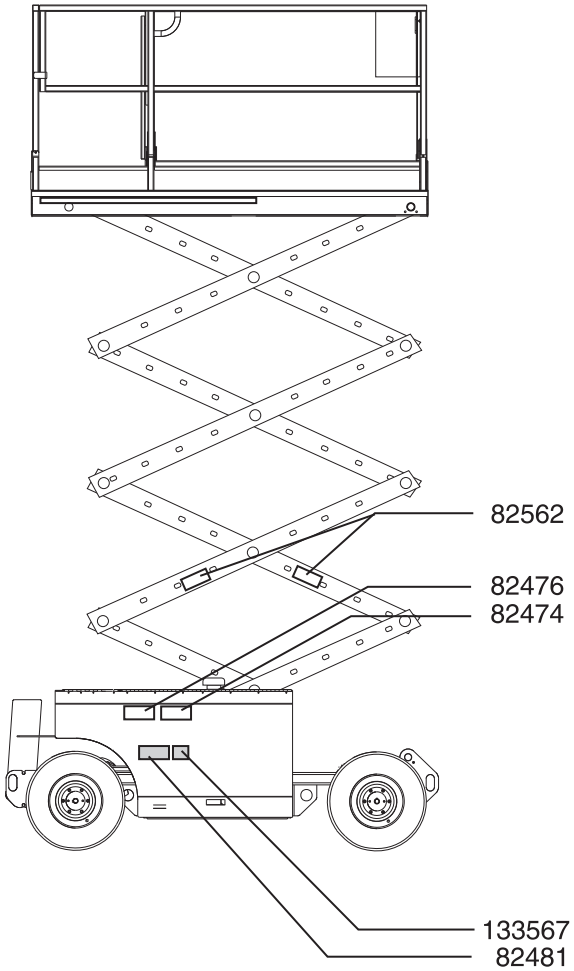


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Personal Fall Protection

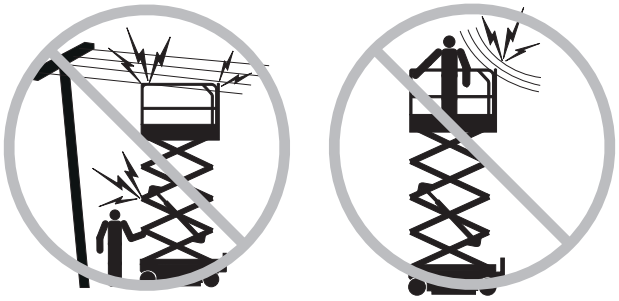
Personal fall protection equipment (PFPE) is not required when operating this machine. If PFPE is required by job site or employer rules, the following shall apply:

All PFPE must comply with applicable governmental regulations, and must be inspected and used in accordance with the manufacturer's instructions.Safety

Work Area Safety

⚠ Electrocution Hazards

This machine is not electrically insulated and will not provide protection from contact with or proximity to electrical current.



Maintain safe distances from electrical power lines and apparatus in accordance with applicable governmental regulations and the following chart.

Line Voltage	Required Clearance
0 to 50KV	3.05 m
50KV to 200KV	4.60 m
200KV to 350KV	6.10 m
350KV to 500KV	7.62 m
500KV to 750KV	10.67 m
750KV to 1000KV	13.72 m

Allow for platform movement, electrical line sway or sag and beware of strong or gusty winds.

Keep away from the machine if it contacts energized power lines. Personnel on the ground or in the platform must not touch or operate the machine until energized power lines are shut off.

Do not operate the machine during lightning or storms.

Do not use the machine as a ground for welding.

⚠ Tip-over Hazards

Occupants, equipment and materials shall not exceed the maximum platform capacity.

Machine without capacity indicator:

Maximum capacity	
GS-2668 DC	567 kg
GS-3268 DC	454 kg

Machine with capacity indicator:

The maximum capacity varies with the height of the platform.

Maximum capacity - GS-2668 DC	
Maximum occupants	4
Height of Platform	Maximum Capacity
7.9 m	567 kg
6.4 m	771 kg
4.8 m	975 kg
3.2 m	771 kg
1.7 m	567 kg

Maximum capacity - GS-3268 DC	
Maximum occupants	
Indoor use	4
Outdoor use	2
Height of Platform	Maximum Capacity
9.8 m	454 kg
7.8 m	686 kg
5.8 m	919 kg
3.8 m	686 kg
1.8 m	454 kg

Work Area Safety

Do not raise the platform unless the machine is on a firm, level surface.





Do not depend on the tilt alarm as a level indicator. The tilt alarm sounds on the chassis and in the platform when the machine is on a severe slope.

If the tilt alarm sounds:
Lower the platform. Move the machine to a firm, level surface. If the tilt alarm sounds when the platform is raised, use extreme caution to lower the platform.

Do not alter or disable the limit switches.

Do not drive over 0.8 km/h with the platform raised.

Use extreme care and slow speeds while driving the machine in the stowed position across uneven terrain, debris, unstable or slippery surfaces and near holes and drop-offs.

Do not use the platform controls to free a platform that is caught, snagged or otherwise prevented from normal motion by an adjacent structure. All personnel must be removed from the platform before attempting to free the platform using the ground controls.

Do not push off or pull toward any object outside of the platform.

Maximum manual force	
GS-2668 DC	
Indoor use - 4 person	400 N
Outdoor use - 4 person	400 N
GS-3268 DC	
Indoor use only - 4 person	400 N
Outdoor use - 2 person	400 N



Work Area Safety

Do not tie the platform to adjacent structures.

Do not place loads outside the platform perimeter.

Do not alter or disable machine components that in any way affect safety and stability.

Do not modify or alter an aerial work platform without prior written permission from the manufacturer. Mounting attachments for holding tools or other materials onto the platform, toeboards or guard rail system can increase the weight in the platform and the surface area of the platform or the load.

Do not replace items critical to machine stability with items of different weight or specification.

Do not use batteries that weigh less than the original equipment. Batteries are used as counterweight and are critical to machine stability. Each battery must weight 30 kg.

Do not raise the platform when wind speeds may exceed 12.5 m/s. If wind speeds exceed 12.5 m/s when the platform is raised, lower the platform and do not continue to operate the machine.

Do not operate the machine in strong or gusty winds. Do not increase the surface area of the platform or the load. Increasing the area exposed to the wind will decrease machine stability.



Do not drive the machine on or near uneven terrain, unstable surfaces or other hazardous conditions with the platform raised.

Do not place or attach fixed or overhanging loads to any part of this machine.



Do not place ladders or scaffolds in the platform or against any part of this machine.

Do not transport tools and materials unless they are evenly distributed and can be safely handled by person(s) in the platform.

Do not use the machine on a moving or mobile surface or vehicle.

Be sure all tires are in good condition, castle nuts are properly tightened and cotter pins are properly installed.

Do not use the machine as a crane.

Do not push the machine or other objects with the platform.

Do not contact adjacent structures with the platform.

Do not operate the machine with the chassis trays open.

Work Area Safety

⚠ Operation on Slopes Hazards

Do not drive the machine on a slope that exceeds the slope and side slope rating of the machine. Slope rating applies to machines in the stowed position.

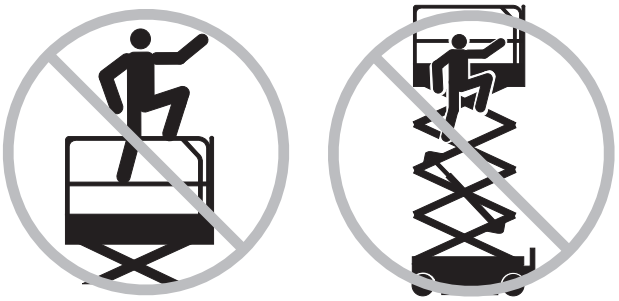
Maximum slope rating, stowed position	
GS-2668DC	30% (17°)
GS-3268DC	25% (14°)
Maximum side slope rating, stowed position	30% (17°)

Note: Slope rating is subject to ground conditions and adequate traction.

⚠ Fall Hazards

The guard rail system provides fall protection. If occupant(s) of the platform are required to wear personal fall protection equipment (PFPE) due to job site or employer rules, PFPE equipment and its use shall be in accordance with the PFPE manufacturer's instructions and applicable governmental requirements.

Do not sit, stand or climb on the platform guard rails. Maintain a firm footing on the platform floor at all times.



Do not climb down from the platform when raised.

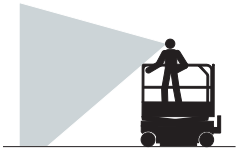
Keep the platform floor clear of debris.

Close the entry gate before operating.

Do not operate the machine unless the guard rails are properly installed and the entry is secured for operation.

Work Area Safety

Collision Hazards



Be aware of limited sight distance and blind spots when driving or operating.

Be aware of the extended platform position when moving the machine.

The machine must be on a level surface or secured before releasing the brakes.

Operators must comply with employer, job site and governmental rules regarding use of personal protective equipment.

Check the work area for overhead obstructions or other possible hazards.



Be aware of crushing hazards when grasping the platform guard rail.

Observe and use color-coded direction arrows on the platform controls and platform decal plate for drive and steer functions.

Do not operate a machine in the path of any crane or moving overhead machinery unless the controls of the crane have been locked out and/or precautions have been taken to prevent any potential collision.

No stunt driving or horseplay while operating a machine.

Do not lower the platform unless the area below is clear of personnel and obstructions.



Limit travel speed according to the condition of the ground surface, congestion, slope, location of personnel and any other factors which may cause collision.

⚠ Bodily Injury Hazards

Do not operate the machine with a hydraulic oil or air leak. An air leak or hydraulic leak can penetrate and/or burn skin.

Improper contact with components under any cover will cause serious injury. Only trained maintenance personnel should access compartments. Access by the operator is only advised when performing a pre-operation inspection. All compartments must remain closed and secured during operation.

⚠ Component Damage Hazards

Do not use the machine as a ground for welding.

Work Area Safety

⚠ Explosion and Fire Hazards

Do not operate the machine in hazardous locations or locations where potentially flammable or explosive gases or particles may be present.

⚠ Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Conduct a thorough pre-operation inspection of the machine and test all functions before each work shift. Immediately tag and remove from service a damaged or malfunctioning machine.

Be sure all maintenance has been performed as specified in this manual and the appropriate Genie service manual.

Be sure all decals are in place and legible.

Be sure the operator's, safety and responsibilities manuals are complete, legible and in the storage container located on the platform.

⚠ Crushing Hazards

Keep hands and limbs out of scissors.

Use common sense and planning when operating the machine with the controller from the ground. Maintain safe distances between the operator, the machine and fixed objects.

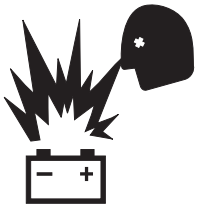
Maintain a firm grasp on the platform rail when pulling the rail pins. Do not allow the platform guard rails to fall.

Do not work under the platform or in the scissor links without the safety arm in place.

Work Area Safety

⚠ Battery Safety

Burn Hazards



Batteries contain acid. Always wear protective clothing and eye wear when working with batteries.

Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.



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

Explosion Hazards



Keep sparks, flames and lighted tobacco away from batteries. Batteries emit an explosive gas.

The battery tray should remain open during the entire charging cycle.



Do not contact the battery terminals or the cable clamps with tools that may cause sparks.

Component Damage Hazard

Do not use any battery charger greater than 24V to charge the batteries.

Electrocution/Burn Hazards



Connect the battery charger to a grounded, AC 3-wire electrical outlet only.

Inspect daily for damaged cords, cables and wires. Replace damaged items before operating.

Avoid electrical shock from contact with battery terminals. Remove all rings, watches and other jewelry.

Tip-over Hazard

Do not use batteries that weigh less than the original equipment. Batteries are used as counterweight and are critical to machine stability. Each battery must weigh 30 kg.

Lifting Hazard

Use the appropriate number of people and proper lifting techniques when lifting batteries.

Lockout After Each Use

1 Select a safe parking location—firm level surface, clear of obstruction and traffic.

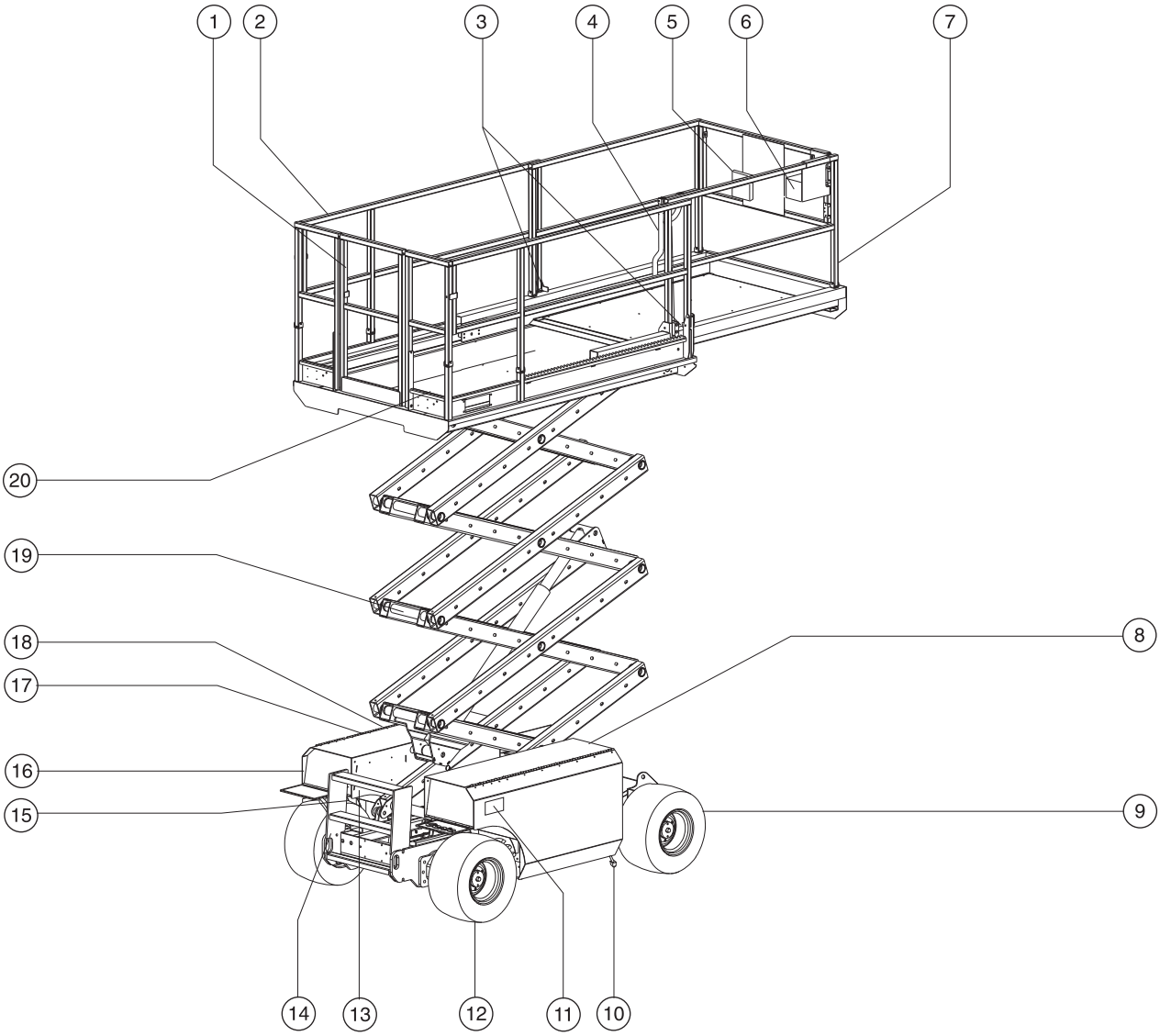
2 Lower the platform.

3 Turn the key switch to the off position and remove the key to secure from unauthorized use.

4 Chock the wheels.

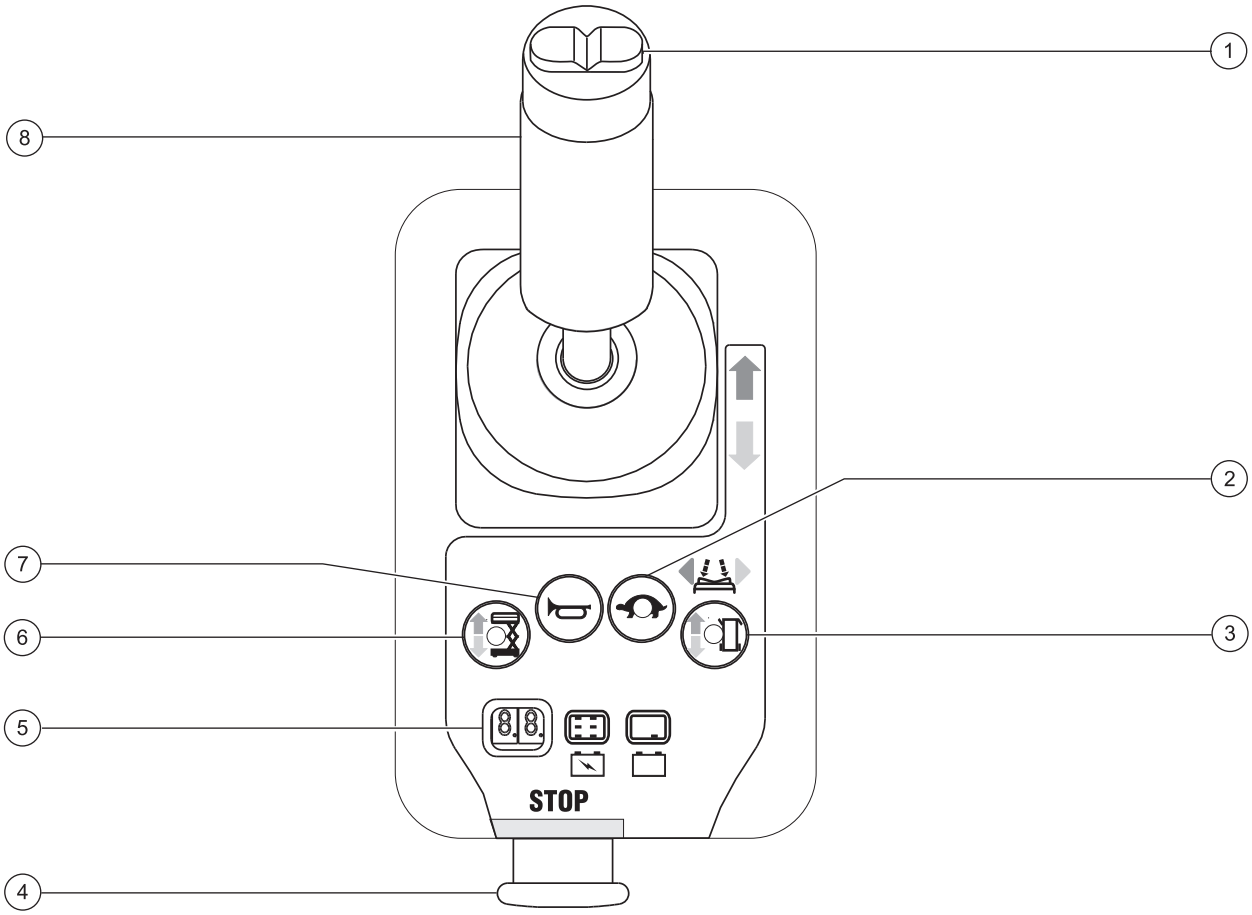
5 Charge the batteries.

Legend



1 Platform entry gate
2 Platform guard rails
3 Lanyard anchorage point
4 Platform extension lock handle
5 Manual storage container
6 Platform controls
7 Platform extension
8 Battery side cover
9 Steer tire
10 Power to platform pigtail
11 Power to charger pigtail and battery charger (under cover)
12 Non-steer tire
13 Tilt alarm (under cover)
14 Entry ladder/transport tie-down
15 Brake release pump knob and brake release knob
16 Ground controls with manual lowering and LED diagnostic readout
17 Ground controls side cover
18 Hydraulic oil level indicator (under cover)
19 Safety arm
20 Capacity indicator (if equipped)
21 GFCI outlet

Controls



Platform Control Panel

1 Thumb rocker switch for steer functions

2 Drive speed button

3 Drive function select button

4 Red Emergency Stop button

5 LED

6 Lift function select button

7 Horn button

8 Proportional control handle and function enable switch for lift and drive functions

Controls

Platform Control Panel

1 Thumb rocker switch for steer functions

Press the thumb rocker switch in either direction to activate steer function.

2 Drive speed button

Press this button to activate the slow or fast drive function.

3 Drive function select button



Press this button to activate the drive function.

4 Red Emergency Stop button

Push in the red Emergency Stop button to the off position to stop all functions. Pull out the red Emergency Stop button to the on position to operate the machine.

5 LED

Diagnostic read out, battery charge indicator and platform overload indicator.

6 Lift function select button



Press this button to activate the lift function.

7 Horn Button

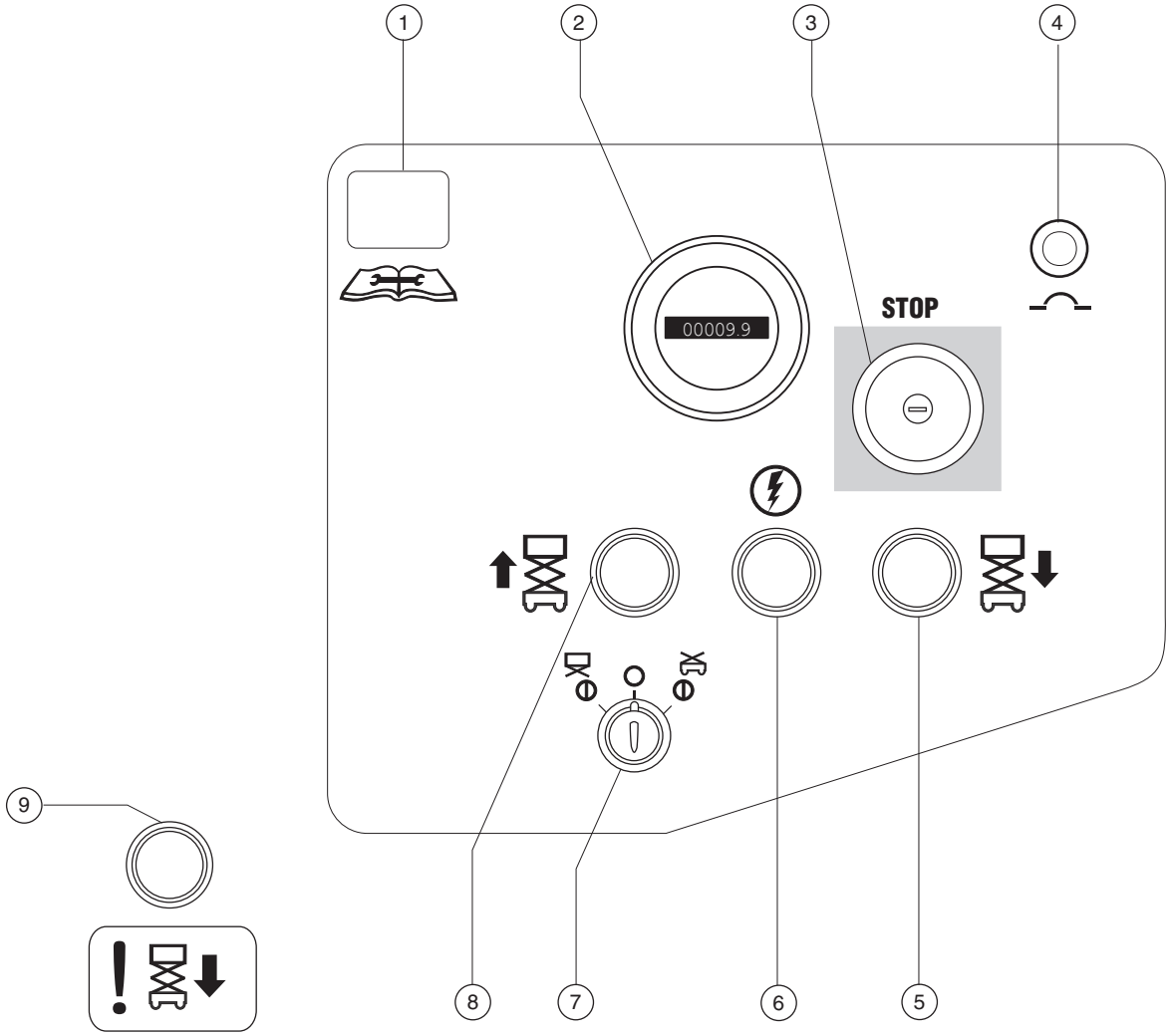
Push the horn button and the horn will sound. Release the horn button and the horn will stop.

8 Proportional control handle and function enable switch for lift and drive functions

Lift function: Move the control handle in the direction indicated by the blue arrow and the platform will raise. Move the control handle in the direction indicated by the yellow arrow and the platform will lower. The descent alarm will sound while the platform is lowering.

Drive function: Move the control handle in the direction indicated by the blue arrow on the control panel and the machine will move in the direction that the blue arrow points. Move the control handle in the direction indicated by the yellow arrow on the control panel and the machine will move in the direction that the yellow arrow points.

Controls



Ground Control Panel

1 LED diagnostic readout
2 Hour meter
3 Red Emergency Stop button
4 7 amp circuit breaker for controls circuit
5 Platform down button
6 Function enable button
7 Key switch for platform/off/ground control selection
8 Platform up button
9 Emergency lowering button

Controls

Ground Control Panel

1 LED diagnostic readout

2 Hour meter

Indicates the number of hours the machine been put into use.

3 Red Emergency Stop button

Push in the red Emergency Stop button to the off position to stop all functions. Pull out the red Emergency Stop button to the on position to operate the machine.

4 7 amp circuit breaker for controls circuit

5 Platform down button

Press this button and the platform will lower.

6 Function enable button

Press this button to activate the lift function.

7 Key switch for platform/off/ground control selection

Turn the keyswitch to the platform position and the platform controls will operate. Turn the keyswitch to the off position and the machine will be off. Turn the keyswitch to the ground position and the ground controls will operate.

8 Platform up button

Press this button and the platform will raise.

9 Emergency lowering button

Press this button and the platform will lower.

Inspections



Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

2 Always perform a pre-operation inspection.

Know and understand the pre-operation inspection before going on to the next section.

3 Always perform function tests prior to use.

4 Inspect the workplace.

5 Only use the machine as it was intended.

Pre-Operation Inspection Fundamentals

It is the responsibility of the operator to perform a pre-operation inspection and routine maintenance.

The pre-operation inspection is a visual inspection performed by the operator prior to each work shift. The inspection is designed to discover if anything is apparently wrong with a machine before the operator performs the function tests.

The pre-operation inspection also serves to determine if routine maintenance procedures are required. Only routine maintenance items specified in this manual may be performed by the operator.

Refer to the list on the next page and check each of the items.

If damage or any unauthorized variation from factory delivered condition is discovered, the machine must be tagged and removed from service.

Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications. After repairs are completed, the operator must perform a pre-operation inspection again before going on to the function tests.

Scheduled maintenance inspections shall be performed by qualified service technicians, according to the manufacturer's specifications and the requirements listed in the responsibilities manual.

Inspections

Pre-operation Inspection

- ❑ Be sure that the operator's, safety and responsibilities manuals are complete, legible and in the storage container located in the platform.
- ❑ Be sure that all decals are legible and in place. See Decals section.
- ❑ Check for hydraulic oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- ❑ Check for battery fluid leaks and proper fluid level. Add distilled water if needed. See Maintenance section.

Check the following components or areas for damage, improperly installed or missing parts and unauthorized modifications:

- ❑ Electrical components, wiring and electrical cables
- ❑ Hydraulic power unit, tank, hoses, fittings, cylinders and manifolds
- ❑ Battery pack and connections
- ❑ Drive motors
- ❑ Wear pads
- ❑ Tires and wheels
- ❑ Limit switches, alarms and horn
- ❑ Platform overload components
- ❑ Nuts, bolts and other fasteners
- ❑ Platform entry gate
- ❑ Beacon and alarms (if equipped)
- ❑ Brake release components
- ❑ Safety arm
- ❑ Platform extension
- ❑ Scissor pins and retaining fasteners
- ❑ Platform control joystick
- ❑ Inverter (if equipped)

Check entire machine for:

- ❑ Cracks in welds or structural components
- ❑ Dents or damage to machine
- ❑ Excessive rust, corrosion or oxidation
- ❑ Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened
- ❑ Side rails are installed and snap pins and bolts are fastened

Inspections



Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

2 Always perform a pre-operation inspection.

3 Always perform function tests prior to use.

Know and understand the function tests before going on to the next section.

4 Inspect the workplace.

5 Only use the machine as it was intended.

Function Tests Fundamentals

The function tests are designed to discover any malfunctions before the machine is put into service. The operator must follow the step-by-step instructions to test all machine functions.

A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

After repairs are completed, the operator must perform a pre-operation inspection and function tests again before putting the machine into service.

1 Select a test area that is firm, level and free of obstruction.

2 Be sure the battery pack is connected.

At the Ground Controls

3 Pull out the platform and ground red Emergency Stop buttons to the on position.

4 Turn the key switch to ground control.

5 Observe the diagnostic LED readout on the platform controls.

⊙ Result: The LED should look like the picture at right.



Test Emergency Stop

6 Push in the ground red Emergency Stop button to the off position.

⊙ Result: No functions should operate.

7 Pull out the red Emergency Stop button to the on position.

Test the Up/Down Functions

The descent alarm and the motion alarm sound at 60 beeps per minute and sound at the chassis. The alarm that goes off when the machine is not level sounds at 180 beeps per minute and sounds at the chassis and in the platform.

8 Do not hold the function enable button. Activate the platform up function.



⊙ Result: No function should operate.

9 Push and hold the function enable button and activate the platform up function.

⊙ Result: The platform should raise.

10 Push and hold the function enable button and activate the platform down function.

⊙ Result: The platform should lower. The descent alarm should sound while the platform is lowering.

Test Emergency Lowering

10 Push and hold the function enable button and activate the up function. Raise the platform approximately 60 cm.



11 Push and hold the emergency lowering button.

⊙ Result: The platform should lower. The descent alarm will not sound.

12 Turn the key switch to platform control.

At the Platform Controls

Inspections

Test Emergency Stop

13 Push in the platform red Emergency Stop button to the off position.

⊙ Result: No functions should operate.

Test the Horn

14 Pull out the red Emergency Stop button to the on position.

15 Push the horn button.

⊙ Result: The horn should sound.

Test the Function Enable Switch

16 Do not hold the function enable switch on the control handle.

17 Slowly move the control handle in the direction indicated by the blue arrow, then in the direction indicated by the yellow arrow.

⊙ Result: No functions should operate.

Test the Up/Down Functions



18 Press the lift function select button.

19 Press and hold the function enable switch on the control handle.

20 Slowly move the control handle in the direction indicated by the blue arrow.

⊙ Result: The platform should raise. The pothole guards should deploy.

21 Release the control handle.

⊙ Result: The platform should stop raising.

22 Press and hold the function enable switch. Slowly move the control handle in the direction indicated by the yellow arrow.

⊙ Result: The platform should lower. The descent alarm should sound while the platform is lowering.

Test the Steering

Note: When performing the steer and drive function tests, stand in the platform facing the steer end of the machine.



23 Press the drive function select switch.

24 Press and hold the function enable switch on the control handle.

25 Depress the thumb rocker switch on top of the control handle in the direction identified by the blue triangle on the control panel.

⊙ Result: The steer wheels should turn in the direction that the blue triangle points on the control panel.

26 Depress the thumb rocker switch in the direction identified by the yellow triangle on the control panel.

⊙ Result: The steer wheels should turn in the direction that the yellow triangle points on the control panel.

Inspections

Test Drive and Braking

27 Press and hold the function enable switch.

28 Slowly move the control handle in the direction indicated by the blue arrow on the control panel until the machine begins to move, then return the handle to the center position.

⊙ Result: The machine should move in the direction that the blue arrow points on the control panel, then come to an abrupt stop.

29 Slowly move the control handle in the direction indicated by the yellow arrow on the control panel until the machine begins to move, then return the handle to the center position.

⊙ Result: The machine should move in the direction that the yellow arrow points on the control panel, then come to an abrupt stop.

Note: The brakes must be able to hold the machine on any slope it is able to climb.

Test the Tilt Sensor Operation

Note: Perform this test from the ground with the platform controller. Do not stand in the platform.

30 Fully lower the platform.

31 Drive both wheels on one side onto a 10 cm block or onto a curb.

32 Raise the platform approximately 2.4 m from the ground.

⊙ Result: The platform should stop elevating and the tilt alarm will sound at 180 beeps per minute.

33 Push the drive select button.

33 Move the drive control handle in the direction indicated by the blue arrow, then move the drive control handle in the direction indicated by the yellow arrow.

⊙ Result: The drive function should not work in either direction.

34 Lower the platform and drive the machine off the block.

Inspections

Test Limited Drive Speed

35 Press the lift function select button.

36 Press and hold the function enable switch. Raise the platform approximately 2.4 m from the ground.

37 Press the drive function select switch.

38 Press and hold the function enable switch. Slowly move the control handle to the full drive position.

⊙ Result: The maximum achievable drive speed with the platform raised should not exceed 22 cm/s.

If the drive speed with the platform raised exceeds 22 cm/s, immediately tag and remove the machine from service.

Inspections



Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

2 Always perform a pre-operation inspection.

3 Always perform function tests prior to use.

4 Inspect the workplace.

Know and understand the workplace inspection before going on to the next section.

5 Only use the machine as it was intended.

Fundamentals

The workplace inspection helps the operator determine if the workplace is suitable for safe machine operation. It should be performed by the operator prior to moving the machine to the workplace.

It is the operator's responsibility to read and remember the workplace hazards, then watch for and avoid them while moving, setting up and operating the machine.

Workplace Inspection

Be aware of and avoid the following hazardous situations:

- drop-offs or holes
- bumps, floor obstructions or debris
- sloped surfaces
- unstable or slippery surfaces
- overhead obstructions and high voltage conductors
- hazardous locations
- inadequate surface support to withstand all load forces imposed by the machine
- wind and weather conditions
- the presence of unauthorized personnel
- other possible unsafe conditions

Inspections

Decals Inspection

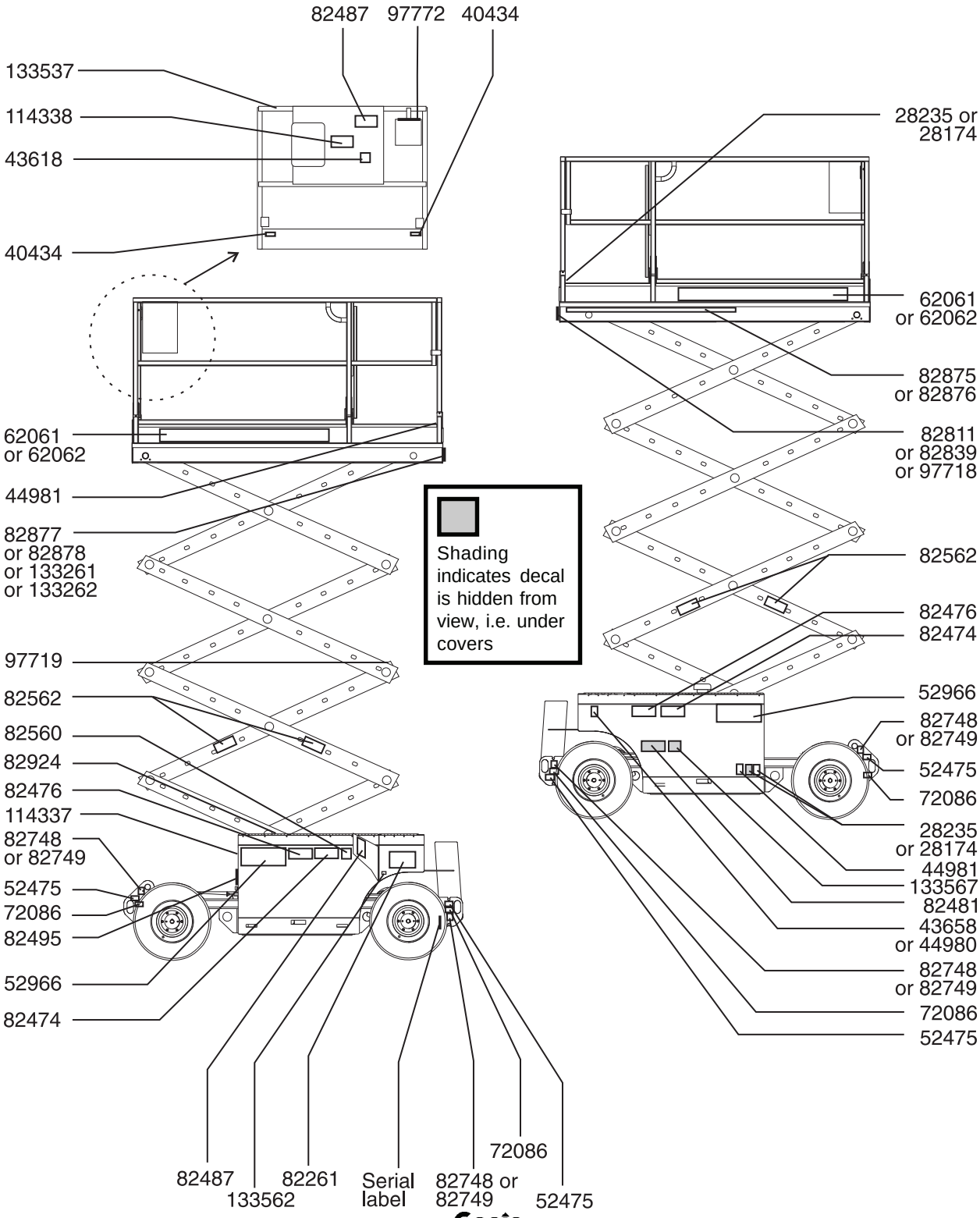
Use the pictures on the next page to verify that all decals are legible and in place.

Below is a numerical list with quantities and descriptions.

Part No.	Decal Description	Qty
28174	Label - Power to Platform, 230V	2
28235	Label - Power to Platform, 115V	2
40434	Label - Lanyard Anchorage Point	3
43618	Label - Directional Arrows	1
43658	Label - Power to Charger - 230V	1
44980	Label - Power to Charger - 115V	1
44981	Label - Air Line to Platform (option)	2
52475	Label - Transport Tie-down	4
52966	Cosmetic - 4 x 2	2
62061	Cosmetic - Genie GS-2668 DC	2
62062	Cosmetic - Genie GS-3268 DC	2
72086	Lifting Eye	4
82261	Ground Control Panel	1
82473	Label - Compartment Access	2
82474	Label - Safety Chock	2
82476	Label - Electrocution Hazard	2
82481	Label - Battery Safety	1
82487	Label - Read the Manual	2
82495	Label - Brake Release Safety	1
82560	Label - Skin Injection Hazard	1
82562	Label - Crushing Hazard	4
82748	Label - Wheel Load, GS-2668 DC	4
82749	Label - Wheel Load, GS-3268 DC	4
82811	Danger - Max Manual Force/Wind Speed, GS-2668 DC*	1
82839	Danger - Max Manual Force/Wind Speed, GS-3268 DC*	1
82875	Label - Capacity Indicator, GS-2668 DC (if equipped)	1
82876	Label - Capacity Indicator, GS-3268 DC (if equipped)	1
82877	Label - Maximum Capacity, GS-2668DC	1
82878	Label - Maximum Capacity, GS-2668DC	1
97718	Danger - Max Manual Force/Wind Speed*	1
97719	Label - Safety Arm	1
97772	Platform Control Panel	1
114337	Label - Tip-over Hazard	1
114338	Label - Tip-over Hazard	1
133261	Label - Maximum Capacity, GS-2668DC	1
133262	Label - Maximum Capacity, GS-3268DC	1
133537	Label - Crushing Hazard	1
133562	Label - Emergency Lowering	1
133567	Label - Tip-over Hazard	1

*Refer to the machine serial label to determine which manual force/wind speed decal is appropriate for your machine.

Inspections



Operating Instructions



Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

2 Always perform a pre-operation inspection.

3 Always perform function tests prior to use.

4 Inspect the workplace.

5 Only use the machine as it was intended.

Fundamentals

The Operating Instructions section provides instructions for each aspect of machine operation. It is the operator's responsibility to follow all the safety rules and instructions in the operator's, safety and responsibilities manuals.

Using the machine for anything other than lifting personnel, along with their tools and materials, to an aerial work site is unsafe and dangerous.

Only trained and authorized personnel should be permitted to operate a machine. If more than one operator is expected to use a machine at different times in the same work shift, they must all be qualified operators and are all expected to follow all safety rules and instructions in the operator's, safety and responsibilities manuals. That means every new operator should perform a pre-operation inspection, function tests, and a workplace inspection before using the machine.

Operating Instructions

Emergency Stop

Push in the red Emergency Stop button to the off position at the ground controls or the platform controls to stop all functions.

Repair any function that operates when either red Emergency Stop button is pushed in.

Emergency Lowering

1 Turn the key switch to ground control.

2 Pull out the ground red Emergency Stop button to the on position.

3 Push and hold the emergency lowering button.

Operation From Ground

1 Turn the key switch to ground control.

2 Pull out both ground and platform red Emergency Stop buttons to the on position.

3 Be sure the battery pack is connected before operating the machine.

To Position Platform

1 Push and hold the function enable button.

2 Activate the platform up or the platform down function.

Drive and steer functions are not available from the ground controls.

Operation From Platform

1 Turn the key switch to platform control.

2 Pull out the ground and platform red Emergency Stop buttons to the on position.

3 Be sure the battery pack is connected before operating the machine.

To Position Platform



1 Press the lift function select button.

2 Press and hold the function enable switch on the control handle.

3 Move the control handle according to the markings on the control panel.

To Steer



1 Press the drive function select button

2 Press and hold the function enable switch on the control handle.

3 Turn the steer wheels with the thumb rocker switch located on the top of the control handle.

Operating Instructions

To Drive

1 Press and hold the function enable switch.

2 Increase speed: Slowly move the control handle off center.

Decrease speed: Slowly move the control handle toward center.

Stop: Return the control handle to center or release the function enable switch.

Use the color-coded direction arrows on the platform controls and on the platform to identify the direction the machine will travel.

Machine travel speed is restricted when the platform is raised.

Battery condition will affect machine performance. When the battery charge indicator light flashes, the machine drive speed is limited.

To reduce drive speed

The drive controls can operate in two different drive speed modes. When the drive speed button light is on, slow drive speed mode is active. When the button light is off, fast drive speed mode is active.



Press the drive speed button to select the desired drive speed.

Operating Instructions

Driving on a slope

Determine the slope and and side slope ratings for the machine and determine the slope grade.



Maximum slope rating, stowed position:
GS-2668DC: 30% (17°)
GS-3268DC: 25% (14°)



Maximum side slope rating, stowed position: 30% (17°)

Note: Slope rating is subject to ground conditions and adequate traction.

Press the drive speed button to the fast drive speed mode.

To determine the slope grade:

Measure the slope with a digital inclinometer OR use the following procedure.

You will need:

carpenter's level

straight piece of wood, at least 3 feet / 1 m long

tape measure

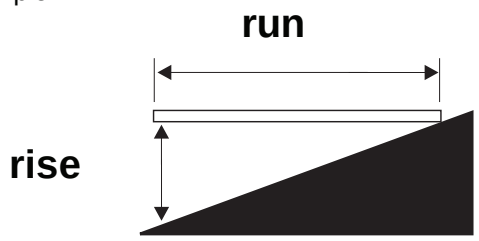
Lay the piece of wood on the slope.

At the downhill end, lay the level on the top edge of the piece of wood and lift the end until the piece of wood is level.

While holding the piece of wood level, measure the distance from the bottom of the piece of wood to the ground.

Divide the tape measure distance (rise) by the length of the piece of wood (run) and multiply by 100.

Example:



Rise = 12 in/ 0.3 m

0.3 m ÷ 3.6 m = 0.083 x 100 = 8.3%

If the slope exceeds the maximum slope or side slope rating, then the machine must be winched or transported up or down the slope. See Transport and Lifting section.

Operating Instructions

Error Indicator Readout



If the LED diagnostic readout displays a fault code, such as LL, push in and pull out the red Emergency Stop button to reset the system.

To Extend and Retract Platform (Manual Platform Extension)

1 Lift the platform extension lock handle to the horizontal position.

2 Push the platform extension lock handle to extend the platform to the desired position.

Do not stand on the platform extension while trying to extend it.

3 Lower the platform extension lock handle.

Platform Overload



Flashing OL in the LED diagnostic readout indicates the platform is overloaded and no functions will operate. An alarm will sound.

1 Push in the Red Emergency stop button to the off position.

2 Remove weight from the platform.

3 Pull out the Red Emergency stop button to the on position.

Operation From Ground with Controller

Maintain safe distances between the operator, the machine and fixed objects.

Be aware of the direction the machine will travel when using the controller.

Battery Level Indicator



Full Low

Use the LED diagnostic readout on the platform controls to determine the battery level.

Fall Protection

Personal fall protection equipment (PFPE) is not required when operating this machine. If PFPE is required by job site or employer rules, the following shall apply:

All PFPE must comply with applicable governmental regulations and must be inspected and used in accordance with the manufacturer's instructions.

After Each Use

1 Select a safe parking location—firm level surface, clear of obstructions and traffic.

2 Lower the platform.

3 Turn the key switch to the off position and remove the key to secure from unauthorized use.

4 Chock the wheels.

5 Charge the batteries.

Operating Instructions



Battery and Charger Instructions

Observe and Obey:

- ☑ Do not use an external charger or booster battery.
- ☑ Charge the battery in a well-ventilated area.
- ☑ Use proper AC input voltage for charging as indicated on the charger.
- ☑ Use only a Genie authorized battery and charger.

To Charge Battery

1 Be sure the batteries are connected before charging the batteries.

2 Open the battery compartment. The compartment should remain open for the entire charging cycle.

3 Remove the battery vent caps and check the battery acid level. If necessary, add only enough distilled water to cover the plates. Do not overfill prior to the charge cycle.

4 Replace the battery vent caps.

5 Connect the battery charger to a grounded AC circuit.

6 The charger will indicate when the battery is fully charged.

7 Check the battery acid level when the charging cycle is complete. Replenish with distilled water to the bottom of the fill tube. Do not overfill.

Dry Battery Filling and Charging Instructions

1 Remove the battery vent caps and permanently remove the plastic seal from the battery vent openings.

2 Fill each cell with battery acid (electrolyte) until the level is sufficient to cover the plates.

Do not fill to maximum level until the battery charge cycle is complete. Overfilling can cause the battery acid to overflow during charging. Neutralize battery acid spills with baking soda and water.

3 Install the battery vent caps.

4 Charge the battery.

5 Check the battery acid level when the charging cycle is complete. Replenish with distilled water to the bottom of the fill tube. Do not overfill.

Transport and Lifting Instructions

Observe and Obey:

- ☑ Genie Industries provides this securement information as a recommendation. Drivers are solely responsible for making sure machines are properly secured and the correct trailer is selected pursuant to US Department of Transportation regulations, other localized regulations, and their company policy.
- ☑ Genie customers needing to containerize any lift or Genie product should source a qualified freight forwarder with expertise in preparing, loading and securing construction and lifting equipment for international shipment.
- ☑ Only qualified aerial lift operators should move the machine on or off the truck.
- ☑ The transport vehicle must be parked on a level surface.
- ☑ The transport vehicle must be secured to prevent rolling while the machine is being loaded.
- ☑ Be sure the vehicle capacity, loading surfaces and chains or straps are sufficient to withstand the machine weight. Genie lifts are very heavy relative to their size. See the serial plate for the machine weight. See the Decals section for the serial label location.
- ☑ If the slope of the transport vehicle bed exceeds the uphill or downhill maximum slope rating, the machine must be loaded and unloaded using a winch as described. See the Specifications section for the slope ratings.

Brake Release Operation



1 Chock the wheels to prevent the machine from rolling.

2 Be sure the winch line is properly secured to the drive chassis tie points and the path is clear of all obstructions.

3 Push in the brake release knob to open the brake valve.

4 Pump the brake release pump knob.

After the machine is loaded:

1 Chock the wheels to prevent the machine from rolling.

2 Press and hold the function enable switch on the control handle. Move the control handle off center to reset the brakes.

Towing the Genie GS-2668 DC or the Genie GS-3268 DC is not recommended. If the machine must be towed, do not exceed 3.2 km/h.

Transport and Lifting Instructions

Securing to Truck or Trailer for Transit

Retract and secure the extension deck.

Turn the key switch to the off position and remove the key before transporting.

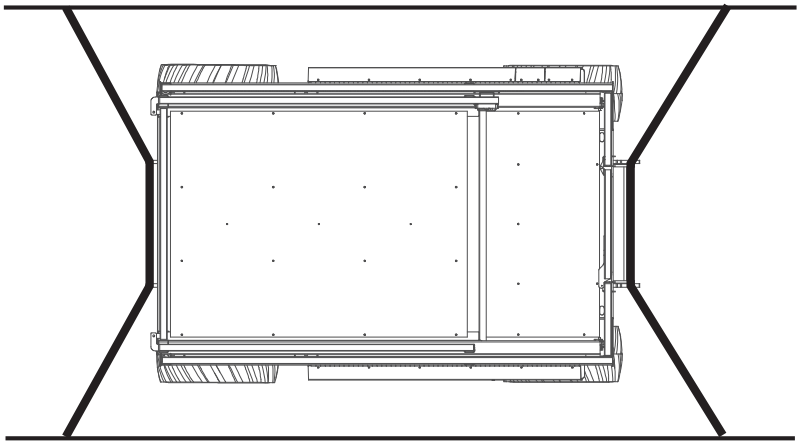
Inspect the entire machine for loose or unsecured items.

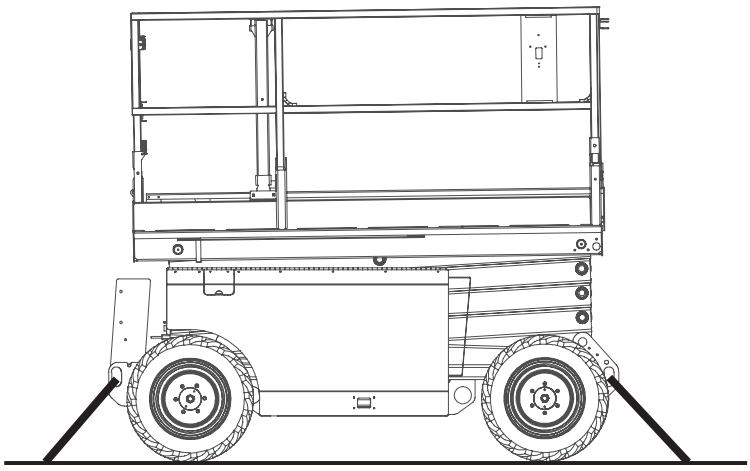
Use chains or straps of ample load capacity.

Use a minimum of 2 chains or straps.

Adjust the rigging to prevent damage to the chains.

If the railings have been folded down, secure them with straps before transporting.





Transport and Lifting Instructions

Center of gravity	X Axis	Y Axis
GS-2668 DC	87.4 cm	65.5 cm
GS-3268 DC	84.6 cm	69.3 cm

Observe and Obey:

- ☑ Only qualified riggers should rig and lift the machine.
- ☑ Be sure the crane capacity, loading surfaces and straps or lines are sufficient to withstand the machine weight. See the serial label for the machine weight.

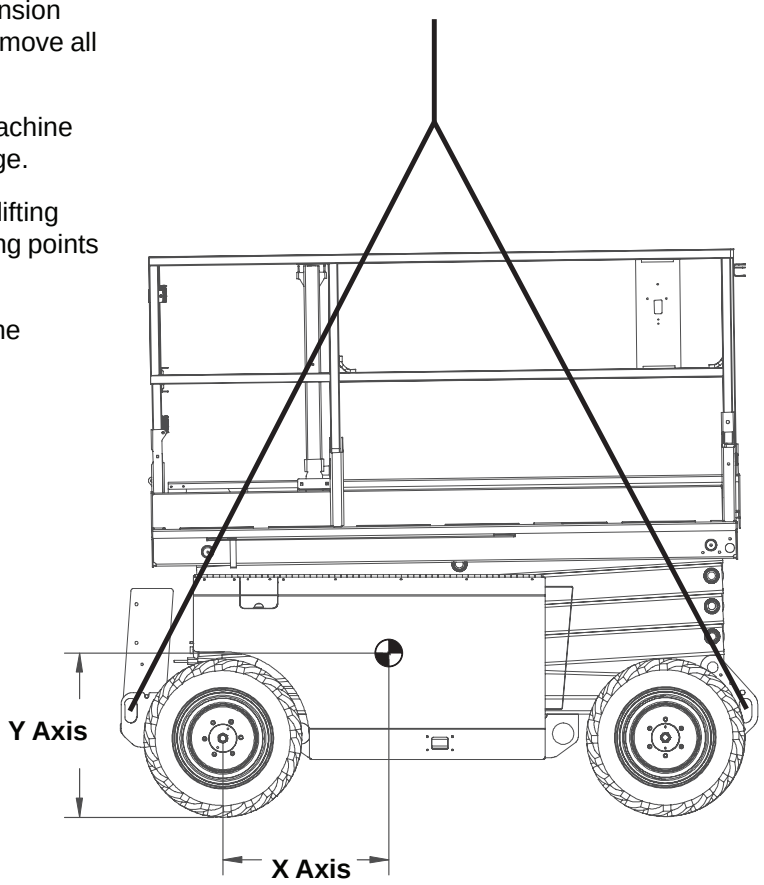
Lifting Instructions

Fully lower the platform. Be sure the extension deck, controls and covers are secure. Remove all loose items on the machine.

Determine the center of gravity of your machine using the table and the picture on this page.

Attach the rigging only to the designated lifting points on the machine. There are two lifting points on each end of the machine.

Adjust the rigging to prevent damage to the machine and to keep the machine level.



Maintenance



Observe and Obey:

- ☑ Only routine maintenance items specified in this manual shall be performed by the operator.
- ☑ Scheduled maintenance inspections shall be completed by qualified service technicians, according to the manufacturer's specifications and the requirements specified in the responsibilities manual.

Maintenance Symbols Legend

The following symbols have been used in this manual to help communicate the intent of the instructions. When one or more of the symbols appear at the beginning of a maintenance procedure, it conveys the meaning below.



Indicates that tools will be required to perform this procedure.



Indicates that new parts will be required to perform this procedure.

Check the Hydraulic Oil Level



Maintaining the hydraulic oil at the proper level is essential to machine operation. Improper hydraulic oil levels can damage hydraulic components. Daily checks allow the inspector to identify changes in oil level that might indicate the presence of hydraulic system problems.

Note: Perform this procedure with the platform in the stowed position and the engine off.

1 Visually inspect the sight gauge located on the side of the hydraulic oil tank.

⊙ Result: The hydraulic oil level should be within the top 5 cm of the sight gauge.

2 Add oil if necessary. Do not overfill.

Hydraulic oil specifications	
Hydraulic oil type	Chevron Rando HD equivalent

Maintenance

Check the Batteries

Proper battery condition is essential to good machine performance and operational safety. Improper fluid levels or damaged cables and connections can result in engine component damage and hazardous conditions.

Note: This procedure does not need to be performed on machines with sealed or maintenance-free batteries.

⚠ Electrocution hazard. Contact with hot or live circuits may result in death or serious injury. Remove all rings, watches and other jewelry.

⚠ Bodily injury hazard. Batteries contain acid. Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

1 Put on protective clothing and eye wear.

2 Be sure that the battery cable connections are tight and free of corrosion.

3 Be sure that the battery hold-down brackets are secure.

Note: Adding terminal protectors and a corrosion preventative sealant will help eliminate corrosion on the battery terminals and cables.

Scheduled Maintenance

Maintenance performed quarterly, annually and every two years must be completed by a person trained and qualified to perform maintenance on this machine according to the procedures found in the service manual for this machine.

Machines that have been out of service for more than three months must receive the quarterly inspection before they are put back into service.

Specifications

GS-2668 DC	
Height, working maximum	9.8 m
Height, platform maximum	7.9 m
Height, stowed maximum, Rails up	2.3 m
Height, stowed maximum, Rails lowered	1.7 m
Height, stowed maximum, Rails off	1.2 m
Height, guard rails	1.02 m
Width	1.73 m
Length, platform retracted	2.67 m
Length, platform retracted, Models with outriggers	3.4 m
Length, platform extended	4.2 m
Maximum load capacity machines without capacity indicator	567 kg
Maximum load capacity machines with capacity indicator	567 - 975 kg
Maximum wind speed	12.5 m/s
Wheelbase	1.85 m
Turning radius (outside)	3.7 m
Turning radius (inside)	1.5 m
Ground clearance	21 cm
Weight	3001 kg
(Machine weights vary with option configurations. See serial label for specific machine weight.)	
Controls	Proportional
AC outlet in platform	Standard
Platform dimensions	
Platform length x width	2.5 x 1.5 m
Platform extension length	1.5 m

Vibration does not exceed 2.5 m/s^2

Drive speeds	
Stowed, maximum	4.8 km/h
Platform raised, maximum	0.8 km/h 12.2 m/54.6 sec
Maximum hydraulic pressure (functions)	241.3 bar
Tires size	23 x 10.5 x 360
Maximum slope rating, stowed position	30% (17°)
Maximum side slope rating, stowed position	30% (17°)

Note: Slope rating is subject to ground conditions and adequate traction.

Floor Loading Information	
Tire load, maximum	1293 kg
Tire contact pressure	8.08 kg/cm^2 789 kPa
Occupied floor pressure	997 kg/m^2 9.78 kPa

Note: Floor loading information is approximate and does not incorporate different option configurations. It should be used only with adequate safety factors.

Airborne noise emissions	
Sound pressure level at ground workstation	<70 dBa
Sound pressure level at platform workstation	<70 dBa

Specifications

GS-3268 DC	
Height, working maximum	11.8 m
Height, platform maximum	9.8 m
Height, stowed maximum, Rails up	2.6 m
Height, stowed maximum, Rails lowered	1.8 m
Height, stowed maximum, Rails off	1.3 m
Height, guard rails	1.02 m
Width	1.73 m
Length, platform retracted	2.67 m
Length, platform retracted, Models with outriggers	3.4 m
Length, platform extended	4.2 m
Maximum load capacity machines without capacity indicator	454 kg
Maximum load capacity machines with capacity indicator	454 - 919 kg
Maximum wind speed	12.5 m/s
Wheelbase	1.85 m
Turning radius (outside)	3.7 m
Turning radius (inside)	1.5 m
Ground clearance	21 cm
Weight	3569 kg
(Machine weights vary with option configurations. See serial label for specific machine weight.)	
Controls	Proportional
AC outlet in platform	Standard
Platform dimensions	
Platform length x width	2.5 x 1.5 m
Platform extension length	1.5 m

Vibration does not exceed 2.5 m/s^2

Drive speeds	
Stowed, maximum	4.8 km/h
Platform raised, maximum	0.8 km/h 12.2 m/54.6 sec
Maximum hydraulic pressure (functions)	241.3 bar
Tires size	23 x 10.5 x 360
Maximum slope rating, stowed position 25%	(14°)
Maximum side slope rating, stowed position 30%	(17°)

Note: Slope rating is subject to ground conditions and adequate traction.

Floor loading information	
Tire load, maximum	1443 kg
Tire contact pressure	10.32 kg/cm^2 1011 kPa
Occupied floor pressure	1078 kg/m^2 10.57 kPa

Note: Floor loading information is approximate and does not incorporate different option configurations. It should be used only with adequate safety factors.

Airborne noise emissions	
Sound pressure level at ground workstation	<70 dBa
Sound pressure level at platform workstation	<70 dBa