

Genie®

Operator's Manual

with Maintenance Information

Fourth Edition
First Printing
Part No. 1000058

GS™-2668 DC
GS™-3268 DC

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.

Contents

	Page
Safety Rules	1
Legend	9
Controls	10
Pre-operation Inspection	12
Maintenance	14
Function Tests	16
Workplace Inspection	20
Operating Instructions	21
Decals	26
Transport and Lifting Instructions	30
Specifications	33

Contact us:

Internet: http://www.genielift.com
e-mail: techpub@genieind.com

Copyright © 1999 by Genie Industries

First Edition: Sixth Printing, January 2002

Second Edition: Second Printing, March 2002

Third Edition: Third Printing, October 2004

Fourth Edition: First Printing, April 2005

"Genie" is a registered trademark of Genie Industries in the U.S.A. and many other countries. "GS" is a trademark of Genie Industries.

These machines comply with ANSI/SIA 92.6-1999.

♻ Printed on recycled paper

Printed in U.S.A.

Safety Rules



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.

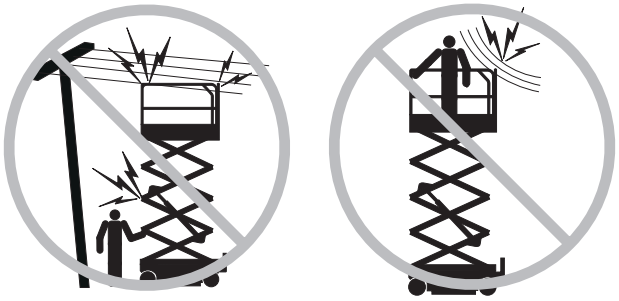
☑ You read, understand and obey all applicable governmental regulations.

☑ You are properly trained to safely operate the machine.

SAFETY RULES

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.

Voltage Phase to Phase	Minimum Safe Approach Distance Feet	Meters
0 to 300V	Avoid Contact	
300V to 50KV	10	3.05
50KV to 200KV	15	4.60
200KV to 350KV	20	6.10
350KV to 500KV	25	7.62
500KV to 750KV	35	10.67
750KV to 1000KV	45	13.72

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 or the maximum capacity of the platform extension.

Maximum capacity - GS-2668 DC		
Platform retracted	1250 lbs	567 kg
Platform extended - Platform only	950 lbs	431 kg
Platform extended - Extension only	300 lbs	136 kg
Maximum occupants - ANSI and CSA		4
Maximum occupants - Australia		
Outdoor use		4
Indoor use only		4



1250 lbs / 567 kg

Extension only 300 lbs / 136 kg

Platform only 950 lbs / 431kg

Maximum capacity - GS-3268 DC		
Platform retracted	1000 lbs	454 kg
Platform extended - Platform only	700 lbs	318 kg
Platform extended - Extension only	300 lbs	136 kg
Maximum occupants - ANSI and CSA		4
Maximum occupants - Australia		
Outdoor use		2
Indoor use only		4



1000 lbs / 454 kg

Extension only 300 lbs / 136 kg

Platform only 700 lbs / 318 kg

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 0.5 mph / 0.8 km/h with the platform raised.

Use extreme care and slow speeds while driving the machine in a stowed position across near holes and drop-offs.

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.

Do not tie the platform to adjacent structures.

Do not place loads outside the platform perimeter.

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.

GS-2668 DC	
ANSI & CSA - 4 person	200 lbs / 890 N
Australia - Indoor use only - 4 person	90 lbs / 400 N
Australia - Outdoor use - 4 person	90 lbs / 400 N

GS-3268 DC	
ANSI & CSA - 4 person	200 lbs / 890 N
Australia - Indoor use only - 4 person	90 lbs / 400 N
Australia - Outdoor use - 2 person	90 lbs / 400 N



SAFETY RULES

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

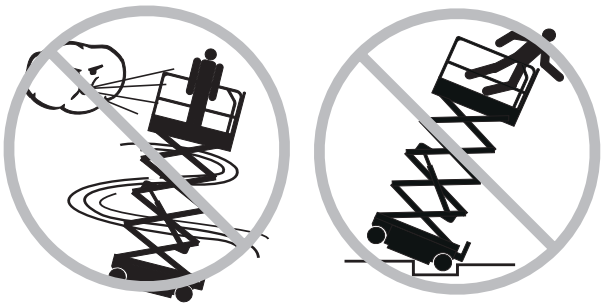
Do not modify or alter an aerial work platform without written permission from the manufacturer. Mounting attachments for holding tools or other materials onto the platform, toeboards or guard rail system can increase the weight in the platform and the surface area of the platform or the load.

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 weigh 65 pounds / 29.5 kg.

Do not raise the platform when wind speeds may exceed 28 mph / 12.5 m/s. If wind speeds exceed 28 mph / 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.

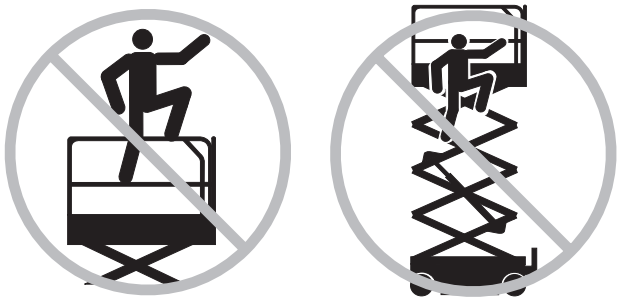
Be sure all tires are in good condition, castle nuts are properly tightened and lock plates are properly installed.

Do not use the machine as a crane.

Fall Hazards

The guard rail system provides fall protection. If occupants 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.

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 the 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 the 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.

SAFETY RULES

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 Hazard

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.

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 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 snap pin. Do not allow the platform guard rails to fall.

Decal Legend

Genie product decals use symbols, color coding and signal words to identify the following:



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

⚠DANGER

Red—used to indicate the presence of an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠WARNING

Orange—used to indicate the presence of a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠CAUTION

Yellow with safety alert symbol—used to indicate the presence of a potentially hazardous situation which, if not avoided, may cause minor or moderate injury.

CAUTION

Yellow without safety alert symbol—used to indicate the presence of a potentially hazardous situation which, if not avoided, may result in property damage.

NOTICE

Green—used to indicate operation or maintenance information.

SAFETY RULES

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.

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 48V to charge the batteries.

Electrocution Hazards



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

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

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

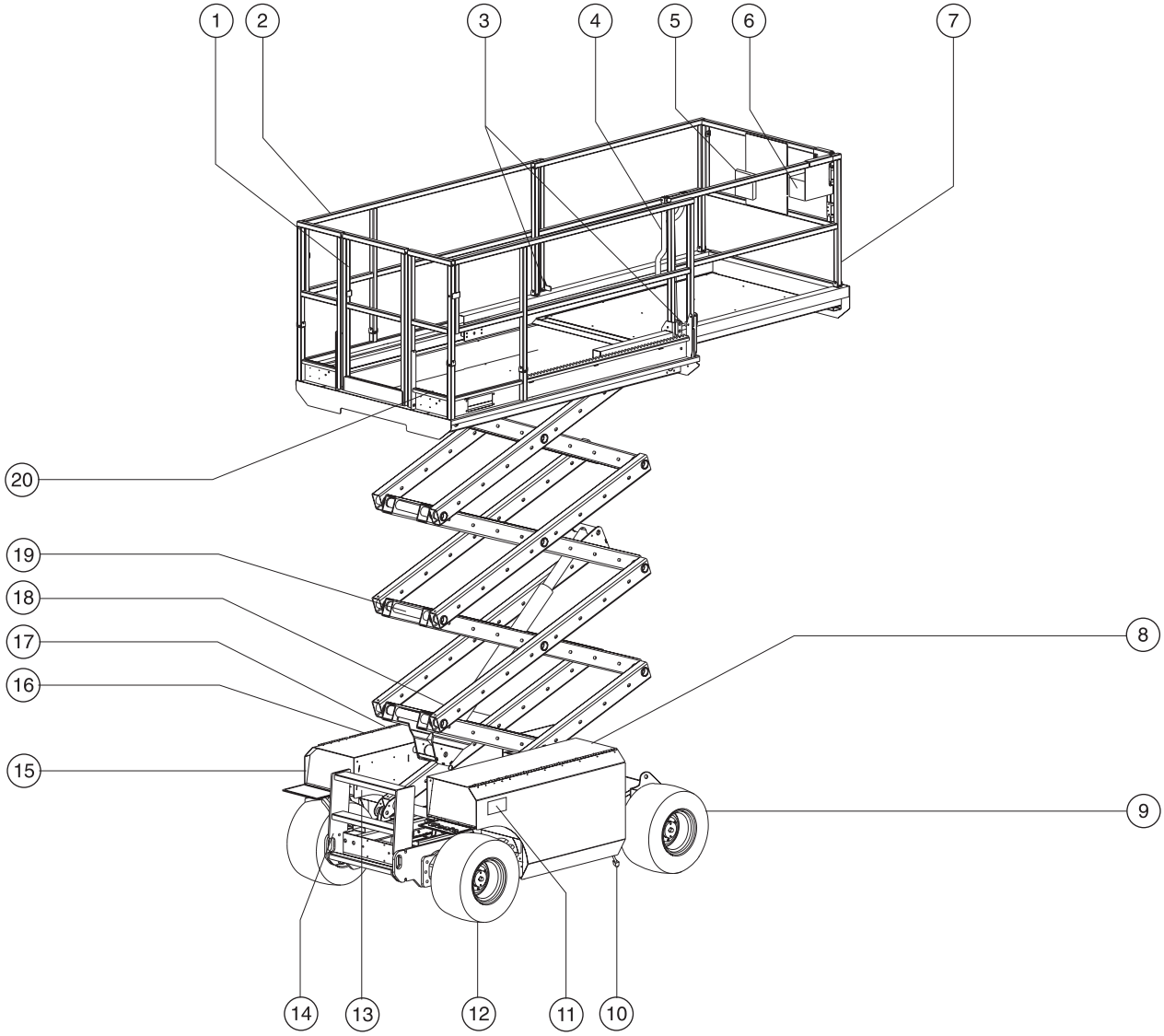
Tip-over Hazard

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 65 pounds / 29.5 kg.

Lifting Hazard

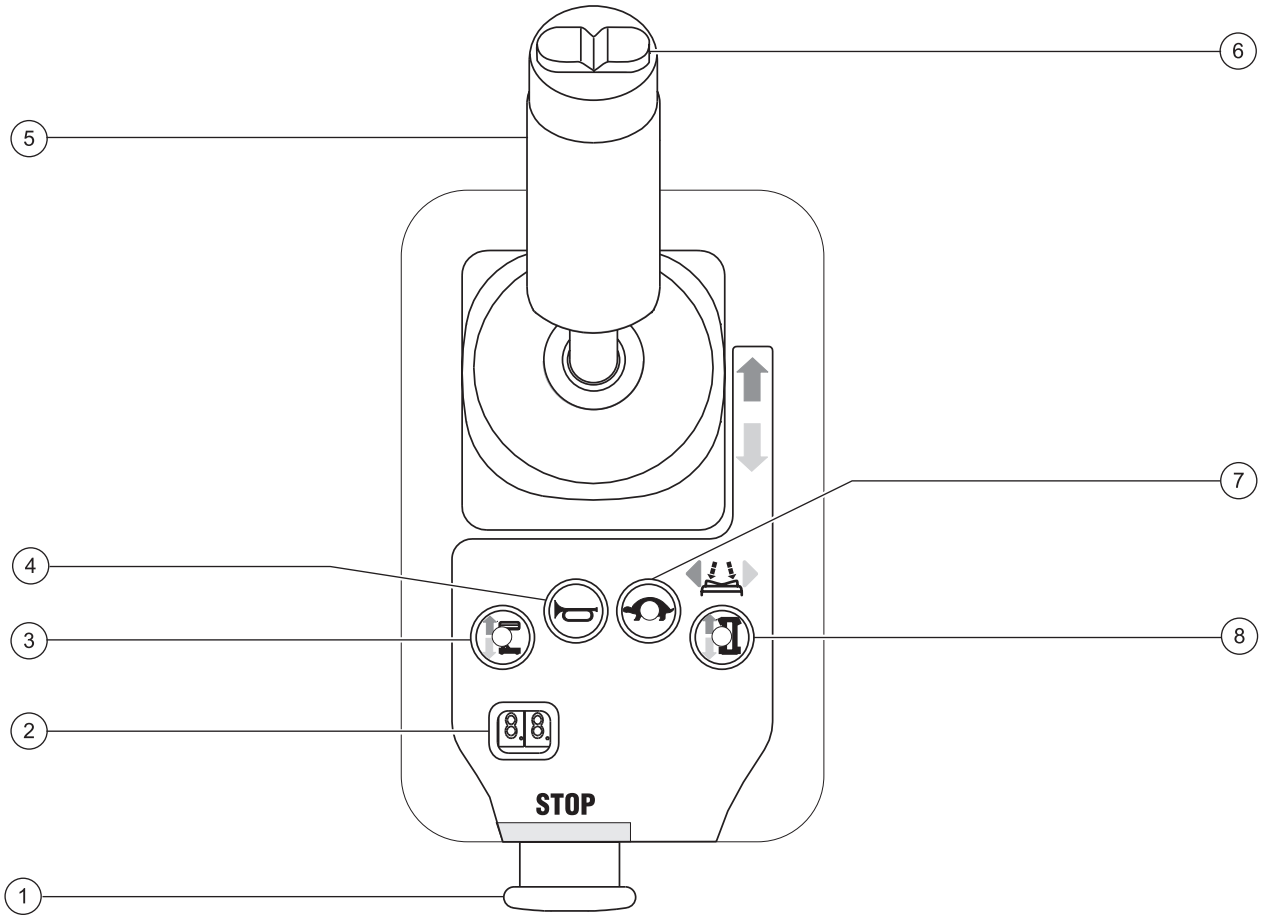
Use the appropriate number of people and proper lifting techniques when lifting batteries.

Legend



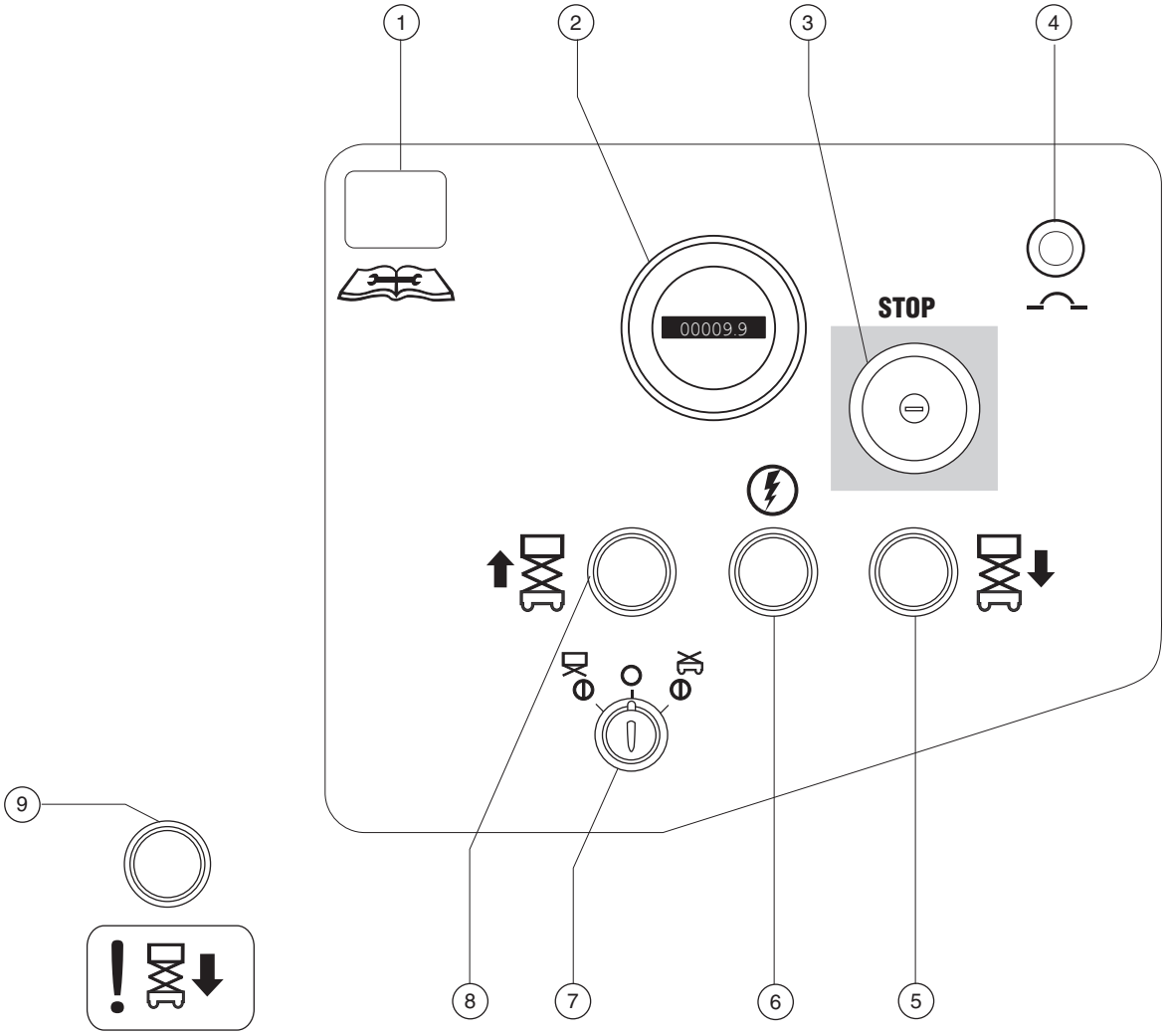
1 Platform entry gate
2 Platform guard rails
3 Lanyard anchorage point
4 Platform extension lock handle
5 Manual storage container
6 Platform controls
7 Platform extension
8 Battery side cover
9 Steer tire
10 Power to platform pigtail
11 Power to charger pigtail and battery charger (under cover)
12 Non-steer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

Controls



Platform Controls

1 Red Emergency Stop button
2 LED diagnostic readout / Battery charge indicator
3 Lift function select button
4 Horn button (if equipped)
5 Proportional control handle and function enable switch for lift and drive functions
6 Thumb rocker switch for steer functions
7 Drive speed button
8 Drive function select button



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 Auxiliary lowering button

Pre-operation Inspection



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.

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 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.

Pre-operation Inspection

- ❑ Be sure that the operator's, safety and responsibilities manuals are complete, legible and in the storage container located on 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
- ❑ 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
- ❑ Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.
- ❑ Be sure side rails are installed and snap pins and bolts are fastened
- ❑ Be sure that the chassis trays are closed and latched and the batteries are properly connected.

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

NOTICE 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.

NOTICE Perform this procedure with the platform in the stowed position.

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

⊙ Result: The hydraulic oil level should be within the top 2 inches / 5 cm of the sight gauge.

2 Add oil if necessary. Do not overfill.

Hydraulic oil specifications	
Hydraulic oil type	Chevron Rykon Premium MV equivalent

Check the Batteries



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

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

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

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

NOTICE Perform this test after fully charging the batteries.

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 in place and secure.

4 Remove the battery vent caps.

5 Check the battery acid level of each battery. If needed, replenish with distilled water to the bottom of the battery fill tube. Do not overfill.

6 Install the vent caps.

NOTICE 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 ths 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.

Function Tests



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.

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 at the platform controls.

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



Test the 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 the Auxiliary Lowering

11 Push and hold the function enable button and activate the platform up function. Raise the platform approximately 2 feet / 60 cm.



12 Push and hold the auxiliary lowering button.

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

13 Turn the key switch to platform control.

At the Platform Controls

Test Emergency Stop

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

⊙ Result: No functions should operate.

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

⊙ Result: The green power light should come on.

Test the Horn

16 Push the horn button.

FUNCTION TESTS

⊙ Result: The horn should sound.

Test the Function Enable Switch

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

18 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



19 Press the lift function select button.

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

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

⊙ Result: The platform should raise.

22 Release the control handle.

⊙ Result: The platform should stop raising.

23 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.



24 Press the drive function select button.

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

26 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.

27 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.

Test Drive and Braking

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

29 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.

30 Press and hold the function enable switch.

31 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.

32 Fully lower the platform.

33 Drive both wheels on one side onto a 4 inch / 10 cm block or onto a curb.

34 Raise the platform approximately 8 feet / 2.4 m from the ground.

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

35 Push the drive select button.

36 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.

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

Test Limited Drive Speed

38 Press the lift function select button.

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

40 Slowly move the control handle in the direction indicated by the blue arrow. Raise the platform approximately 8 feet / 2.4 m from the ground.

41 Press the drive function select button.

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

43 Slowly move the control handle to the full drive position.

⊙ Result: The maximum achievable drive speed with the platform raised should not exceed 0.73 feet / 22 cm per second.

If the drive speed with the platform raised exceeds 0.73 feet / 22 cm per second, immediately tag and remove the machine from service.

Workplace Inspection



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

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.

Auxiliary 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 auxiliary 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.

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.

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

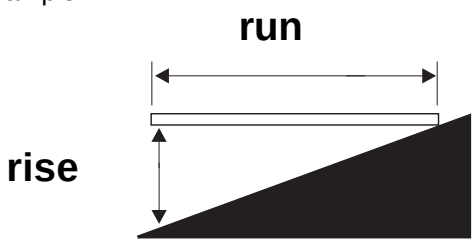
Lay the piece of wood on the slope.

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:



Run = 12 ft (144 in) / 3.6 m

Rise = 12 in/ 0.3 m

12 in ÷ 144 in = 0.083 x 100 = 8.3%
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.

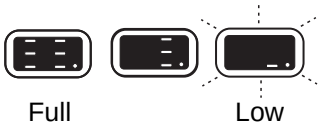
3 Lower the platform extension lock handle.

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



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.



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.

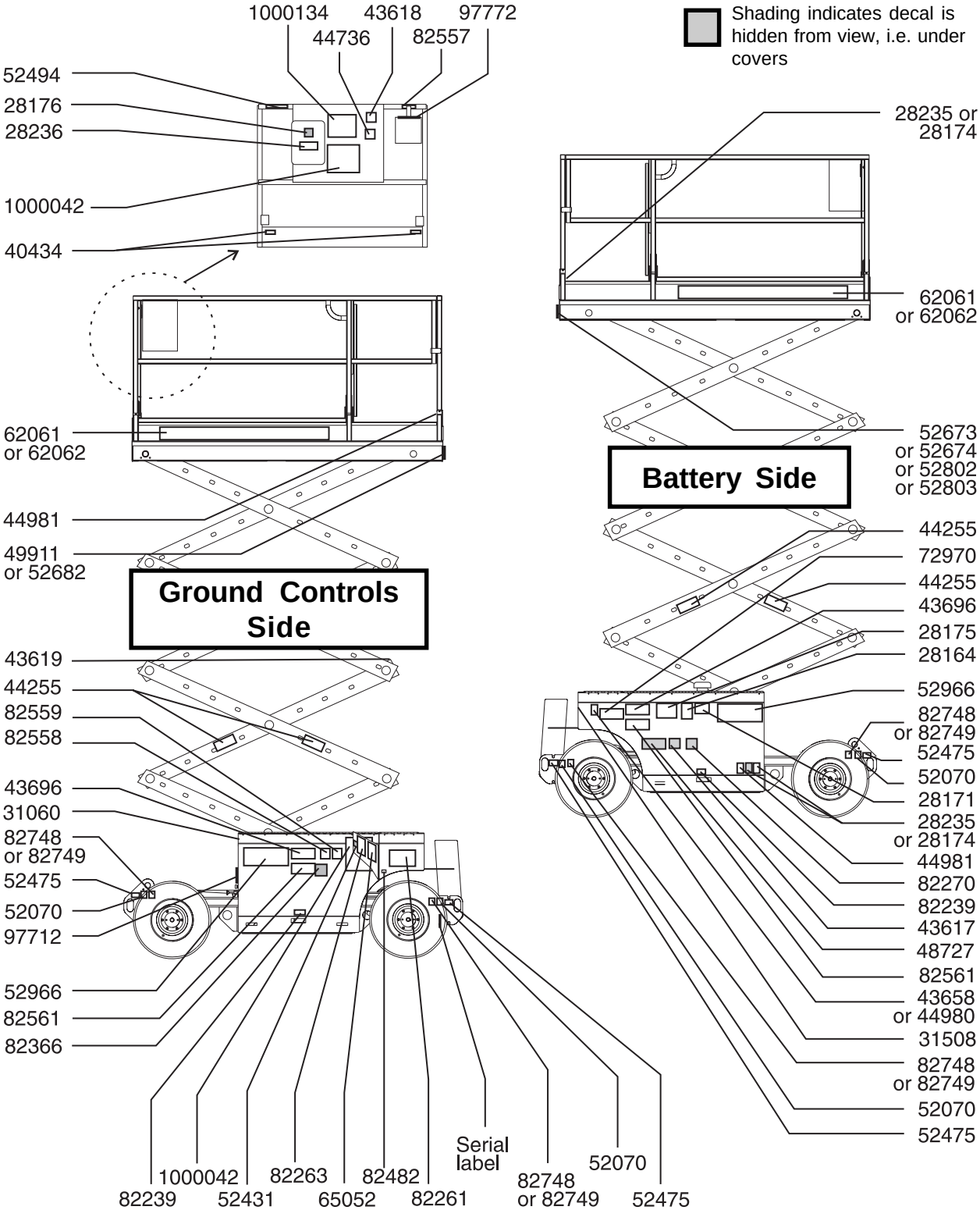
Decals

Inspection for Decals with Words

Determine whether the decals on your machine have words or symbols. Use the appropriate inspection to verify that all decals are legible and in place.

Part No.	Description	Quantity
28164	Notice - Hazardous Materials	1
28171	Label - No Smoking	1
28174	Label - Power to Platform, 230V	3
28175	Caution - Compartment Access	1
28176	Notice - Missing Manuals	1
28235	Label - Power to Platform, 115V	3
28236	Warning - Failure To Read . . .	1
31060	Danger - Do Not Alter Limit Switch	1
31508	Notice - Power to Charger	1
40434	Label - Lanyard Anchorage	2
43617	Danger - Tip-over Hazard	1
43618	Label - Directional Arrows	1
43619	Label - Safety Arm	1
43658	Label - Power to Charger - 230V	1
43696	Danger - Electrocution Hazard	2
44255	Danger - Crushing Hazard	4
44736	Danger - Tilt Alarm	1
44980	Label - Power to Charger - 115V	1
44981	Label - Air Line to Platform	2
48727	Danger - Battery Safety	1
49911	Notice - Max Capacity 1250 lbs / 567 kg, GS-2668 DC	1
52070	Notice - Tire Specifications	4
52431	Label - Ground Control Panel	1
52475	Label - Transport Tie-down	4
52494	Caution - Crushing Hazard, Rails	1
52673	Notice - Max Side Force 200 lbs / 890 N, GS-2668 DC, ANSI & CSA	1
52674	Notice - Max Side Force 90 lbs / 400 N, GS-2668 DC, Australia	1
52682	Notice - Max Capacity 1000 lbs / 454 kg, GS-3268 DC	1
52802	Notice - Max Side Force 200 lbs / 890 N, GS-3268 DC, ANSI & CSA	1
52803	Notice - Max Side Force 90 lbs / 400 N, GS-3268 DC, Australia	1
52966	Cosmetic - 4 x 2	2
65052	Label - Fault Codes	1
62061	Cosmetic - Genie GS-2668 DC	2
62062	Cosmetic - Genie GS-3268 DC	2
72970	Notice - Charger Instructions	1
82239	Label - Latch	2
82261	Ground Control Panel	1
82263	Notice - Operating Instructions, Ground	1
82270	Notice - Battery Connection Diagram	1
82366	Label - Chevron Rykon	1
82482	Label - Auxiliary Lowering	1
82557	Label - Platform Controls Location	1
82558	Warning - Skin Injection Hazard	1
82559	Notice - Annual Inspection	1
82561	Danger - Crushing Hazard	2
82748	Label - Wheel Load, GS-2668 DC	4
82749	Label - Wheel Load, GS-3268 DC	4
97712	Danger/Notice - Brake Release Safety & Operating Instructions	1
97772	Platform Control Panel	1
1000042	Danger - General Safety Rules	2
1000134	Notice - Operating Instructions, Platform	1

DECALS


Shading indicates decal is hidden from view, i.e. under covers
1000134
43618
97772
44736
82557
52494
28176
28236
1000042
40434
62061 or 62062
44981
49911 or 52682
Ground Controls Side
43619
44255
82559
82558
43696
31060
82748 or 82749
52475
52070
97712
52966
82561
82366
1000042
82239
82263
52431
82482
65052
82261
Serial label
82748 or 82749
52070
52475
28235 or 28174
62061 or 62062
52673 or 52674 or 52802 or 52803
Battery Side
44255
72970
44255
43696
28175
28164
52966
82748 or 82749
52475
52070
28171
28235 or 28174
44981
82270
82239
43617
48727
82561
43658 or 44980
31508
82748 or 82749
52070
52475

DECALS

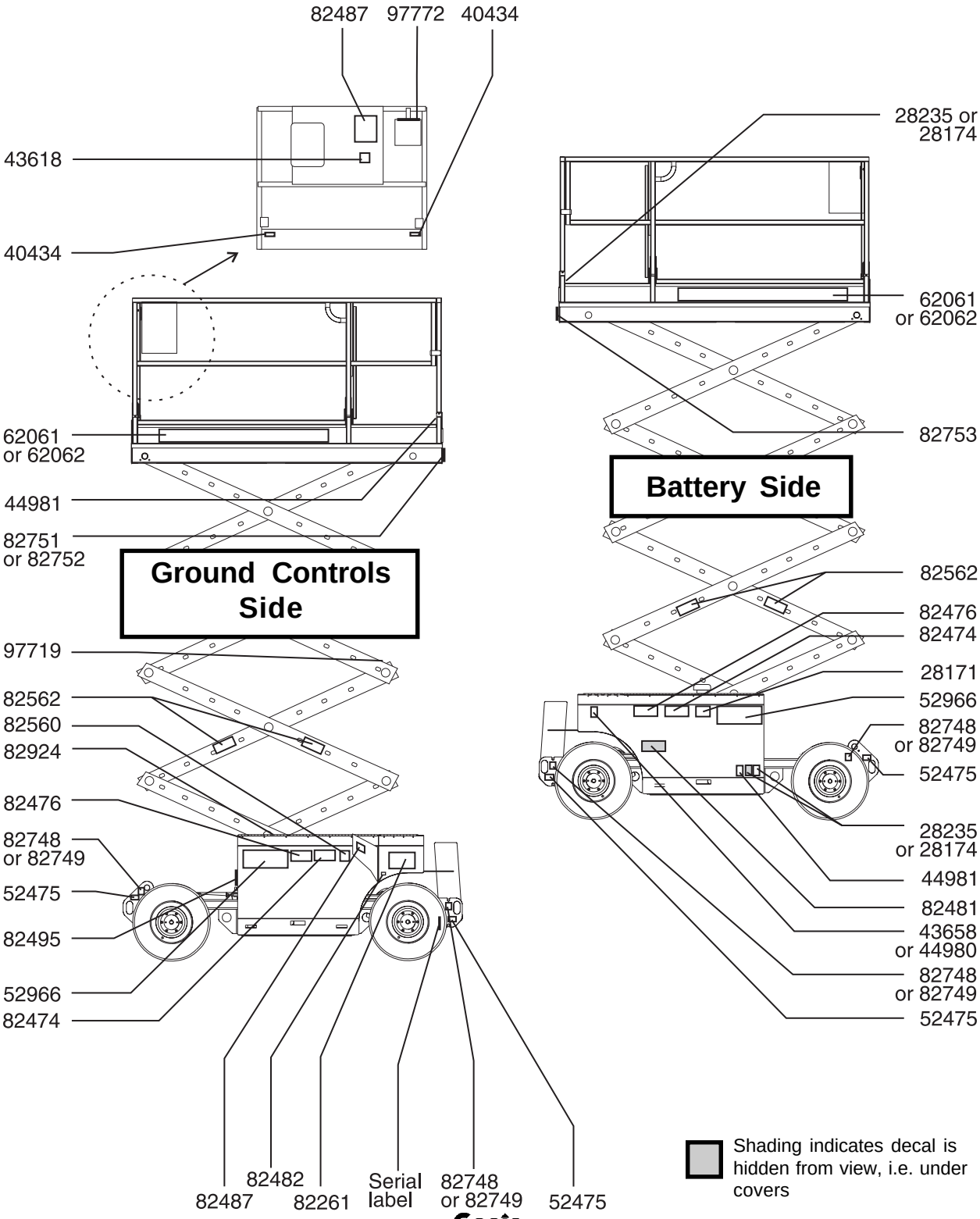
Inspection for Decals with Symbols

Determine whether the decals on your machine have words or symbols. Use the appropriate inspection to verify that all decals are legible and in place.

Part No.	Description	Quantity
28171	Label - No Smoking	1
28174	Label - Power to Platform, 230V	3
28235	Label - Power to Platform, 115V	3
40434	Label - Lanyard Anchorage	2
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	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
82261	Ground Control Panel	1
82474	Danger - Safety Chock	2
82476	Danger - Electrocution Hazard	2

Part No.	Description	Quantity
82481	Danger - Battery Safety	1
82482	Label - Auxiliary Lowering	1
82487	Label - Read the Manual	2
82495	Danger - Brake Release Safety & Operating Instructions	1
82560	Warning - Skin Injection Hazard	1
82562	Danger - Crushing Hazard	4
82751	Danger- Max Capacity, 567 kg, GS-2668 RT & DC	1
82752	Danger - Max Capacity, 454 kg, GS-3268 RT & DC	1
82753	Danger - Max Side Force, 890 N	1
82748	Label - Wheel Load, GS-2668 DC	4
82749	Label - Wheel Load, GS-3268 DC	4
82924	Caution - Component Damage	1
97719	Label - Safety Arm	1
97772	Platform Control Panel	1

DECALS


82487
97772
40434
43618
40434
62061
or 62062
44981
82751
or 82752
Ground Controls Side
97719
82562
82560
82924
82476
82748
or 82749
52475
82495
52966
82474
82487
82482
82261
Serial label
82748
or 82749
52475
28235 or
28174
62061
or 62062
82753
Battery Side
82562
82476
82474
28171
52966
82748
or 82749
52475
28235
or 28174
44981
82481
43658
or 44980
82748
or 82749
52475
Shading indicates decal is hidden from view, i.e. under covers

Transport and Lifting Instructions

Observe and Obey:

- ☑ Common sense and planning must be applied to control the movement of the machine when lifting it with a crane or forklift.
- ☑ 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. See the serial plate for the machine weight.
- ☑ The machine must be on a level surface or secured before releasing the brakes.
- ☑ Do not drive the machine on a slope that exceeds the slope or side slope rating. See Driving on a Slope in the Operating Instructions section.
- ☑ If the slope of the transport vehicle bed exceeds the maximum slope rating, the machine must be loaded and unloaded using a winch as described.

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 2 mph / 3.2 km/h.

Center of gravity	X Axis	Y Axis
GS-2668 DC	34.4 in 87.4 cm	25.8 in 65.5 cm
GS-3268 DC	33.3 in 84.6 cm	27.3 in 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 plate for the machine weight.

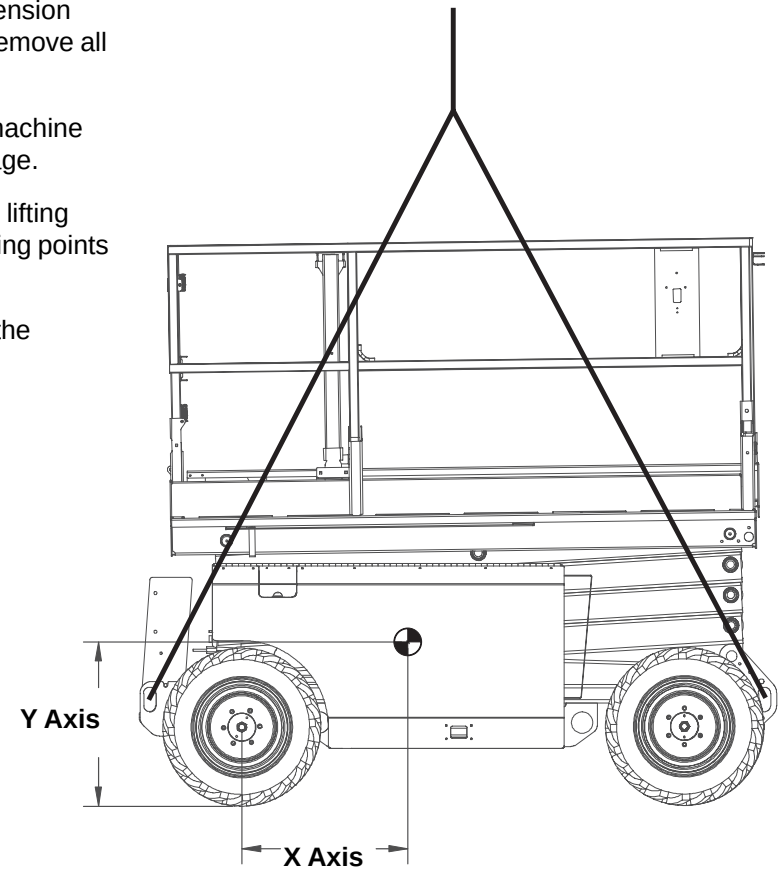
Lifting Instructions

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.



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.

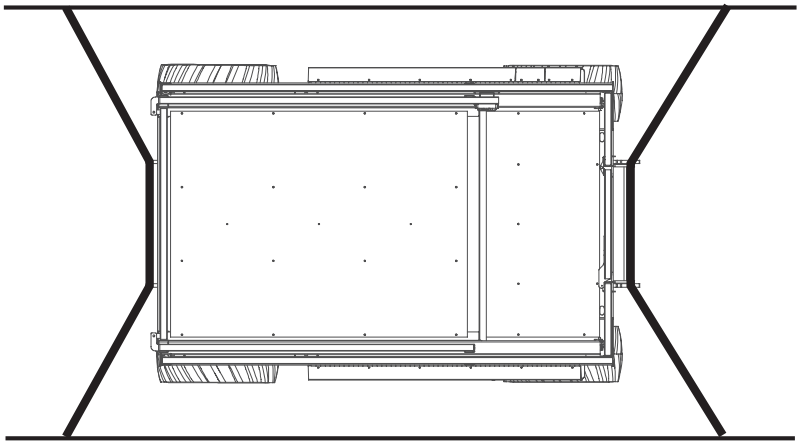
Inspect the entire machine for loose or unsecured items.

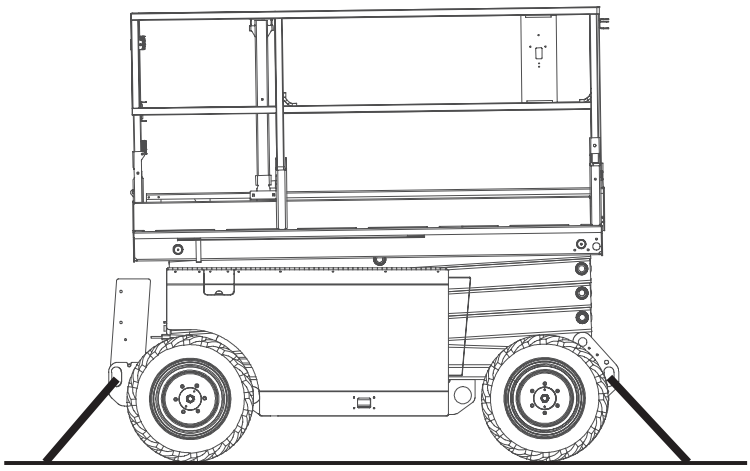
Use chains or straps of ample load capacity.

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.





Specifications

Model		GS-2668 DC
Height, working maximum	32 ft	9.9 m
Height, platform maximum	26 ft	7.9 m
Height, stowed maximum Rails up	92 in	2.34 m
Height, stowed maximum Rails lowered	67 in	1.7 m
Height, stowed maximum Rails off	46 1/2 in	1.18 m
Height, guard rails	40 in	1.02 m
Width	68 in	1.73 m
Length, platform retracted	105 in	2.67 m
Length, platform extended	161 1/2 in	4.1 m
Maximum load capacity	1250 lbs	567 kg
Maximum wind speed	28 mph	12.5 m/s
Wheelbase	73 in	1.85 m
Turning radius (outside)	145 in	3.68 m
Turning radius (inside)	60 in	1.52 m
Ground clearance	7 1/2 in	19 cm
Weight (Machine weights vary with option configurations)		See Serial Label
Power source		8 Batteries, 225AH
System voltage		48V
Controls		Proportional

Platform dimensions		
Platform length x width	99 in x 61in	2.5 x 1.55 m
Platform extension length	60 in	1.52 m
AC outlet in platform		standard
Maximum hydraulic pressure (functions)	3500 psi	241 bar
Tires size		23 x 10.5 x 360
Airborne noise emissions Maximum sound level at normal operating workstations (A-weighted)		80 dB
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.

Drive speeds		
Stowed, maximum	3.0 mph	4.8 km/h
Platform raised, maximum	0.5 mph 40 ft/54.6 sec	0.8 km/h 12.2 m/54.6 sec

Floor Loading Information		
Tire load, maximum	2060 lbs	934 kg
Tire contact pressure	131 psi	9.20 kg/cm^2 902 kPa
Occupied floor pressure	165 psf	791kg/m^2 7.76 kPa

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

Continuous improvement of our products is a Genie policy.
Product specifications are subject to change without notice or obligation.

SPECIFICATIONS

Model	GS-3268 DC
Height, working maximum	38 ft 11.8 m
Height, platform maximum	32 ft 9.8 m
Height, stowed maximum Rails up	97 in 2.46 m
Height, stowed maximum Rails lowered	69 1/2 in 1.77 m
Height, stowed maximum Rails off	51 1/2 in 1.31 m
Height, guard rails	40 in 1.02 m
Width	68 in 1.73 m
Length, platform retracted	105 in 2.67 m
Length, platform extended	161 1/2 in 4.1 m
Maximum load capacity	1000 lbs 454 kg
Maximum wind speed	28 mph 12.5 m/s
Wheelbase	73 in 1.85 m
Turning radius (outside)	145 in 3.68 m
Turning radius (inside)	60 in 1.52 m
Ground clearance	7 1/2 in 19 cm
Weight (Machine weights vary with option configurations)	See Serial Label
Power source	8 Batteries, 225AH
System voltage	48V
Controls	Proportional

Platform dimensions		
Platform length x width	99 in x 61in	2.5 x 1.55 m
Platform extension length	60 in	1.5 m
AC outlet in platform		standard
Maximum hydraulic pressure (functions)	3500 psi	241 bar
Tires size		23 x 10.5 x 360
Airborne noise emissions Maximum sound level at normal operating workstations (A-weighted)		80 dB
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.

Drive speeds		
Stowed, maximum	3.0 mph	4.8 km/h
Platform raised, maximum	0.5 mph 40 ft/54.6 sec	0.8 km/h 12.2 m/54.6 sec

Floor loading information		
Tire load, maximum	2310 lbs	1048 kg
Tire contact pressure	147 psi	10.32 kg/cm^2 1011 kPa
Occupied floor pressure	191psf	932 kg/m^2 9.14 kPa

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

Continuous improvement of our products is a Genie policy.
Product specifications are subject to change without notice or obligation.

Distributed By:

Genie North America
Phone 425 881 18
Toll Free
8 536 18
Fax 425 883 3475

Genie Australia Pty Ltd.
Phone +61 7 3375 166
Fax +61 7 3375 1 2

Genie China
Phone +86 21 5385257
Fax +86 21 53852569

Genie Malaysia
Phone +65 98 48 775
Fax +65 67 533 544

Genie Japan
Phone +81 3 3453 6 82
Fax +81 3 3453 6 83

Genie Korea
Phone +82 25 587 267
Fax +82 25 583 91

Genie Brasil
Phone +55 11 41 665 755
Fax +55 11 41 665 754

Genie Holland
Phone +31 183 581 1 2
Fax +31 183 581 566

Genie Scandinavia
Phone +46 31 5751
Fax +46 31 579 2

Genie France
Phone +33 2 37 26 9 99
Fax +33 2 37 26 9 98

Genie Iberica
Phone +34 93 579 5 42
Fax +34 93 579 5 59

Genie Germany
Phone +49 42 2 8852
Fax +49 42 2 8852 2

Genie U.K.
Phone +44 1476 584333
Fax +44 1476 584334

Genie Mexico City
Phone +52 55 5666 5242
Fax +52 55 5666 3241