

8/3/06

Genie Industries

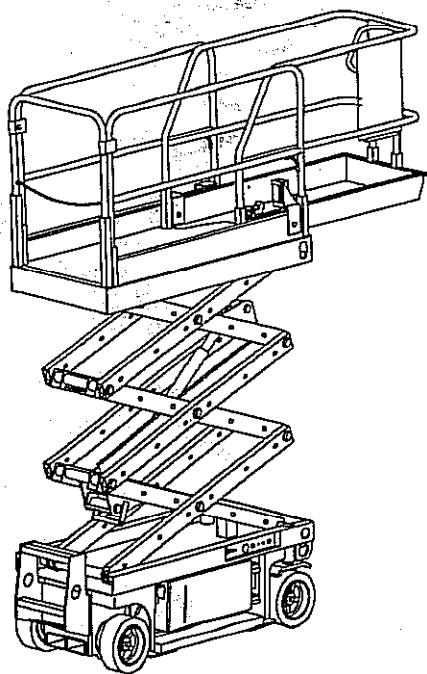


253

SR # 13162

# Genie GS-1530 Genie GS-1930

## Operator's Manual



First Edition, Fifth Printing  
Part No. 39527



# Genie GS-1530 Genie GS-1930

## 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, call Genie Industries.

## Contents

	Page
Safety .....	1
Legend .....	8
Controls .....	9
Pre-operation Inspection .....	11
Function Tests .....	13
Work Place Inspection .....	16
Operating Instructions .....	17
Transport Instructions .....	19
Decals .....	20
Floor Loading .....	22
Specifications .....	23

## Genie North America

Telephone (425) 881-1800  
Toll Free in U.S.A. 800 536-1800  
Toll Free in Canada 800 426-8089  
Fax (425) 882-9260  
E-mail: techpub@genieind.com  
<http://www.genielift.com>

## Genie Europe

Telephone (44) 01636-605030  
Fax (44) 01636-611090

## Genie Industries

Copyright © 1997 by Genie Industries

First Edition: First Printing, March 1997  
Second Printing, August 1997  
Third Printing, October 1997  
Fourth Printing, April 1998  
Fifth Printing, August 1998

"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 92.6-1990.

♻️ 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 work place.
- 5 Only use the machine as it was intended.

- You read, understand and obey:

Manufacturer's instructions and safety rules—safety and operator's manuals and machine decals

employer's safety rules and worksite regulations

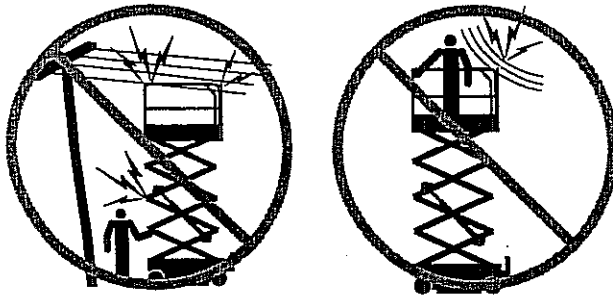
applicable governmental regulations

- 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 and equipment shall not exceed the maximum platform capacity or the maximum capacity of the platform extension.

**Maximum capacity - GS-1530**

Platform retracted	600 lbs	272 kg
Platform extended - Platform only	350 lbs	159 kg
Platform extended - Extension only	250 lbs	113 kg
Maximum occupants - ANSI and CSA	2	
Maximum occupants - CE		
Outdoor use	1	
Indoor use only	2	



600 lbs / 272 kg



Extension only 250 lbs / 113 kg  
Platform only 350 lbs / 159 kg

**Maximum capacity - GS-1930**

Platform retracted	500 lbs	227 kg
Platform extended - Platform only	250 lbs	113 kg
Platform extended - Extension only	250 lbs	113 kg
Maximum occupants - ANSI and CSA	2	
Maximum occupants - CE		
Outdoor use	1	
Indoor use only	2	



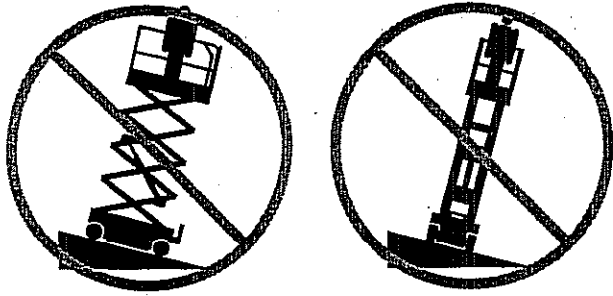
500 lbs / 272 kg



Extension only 250 lbs / 113 kg  
Platform only 250 lbs / 113 kg

SAFETY RULES

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



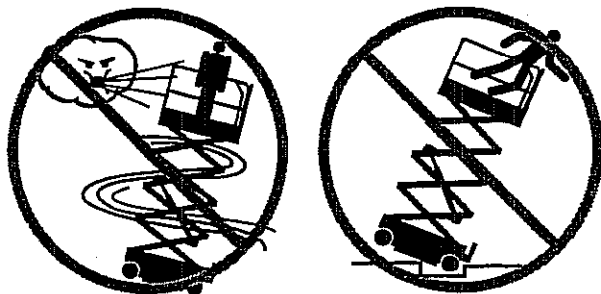
Do not depend on the tilt alarm as a level indicator. The tilt alarm sounds on the chassis only when the machine is on a slope.

If 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 platform.

Do not alter or disable the limit switch(s).

Do not drive over 0.5 mph (0.7 km/h) with the platform raised.

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.

Use extreme care and slow speeds while driving the machine in 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 allowable manual force	
2 person	100 lbs / 445N
1 person	45 lbs / 200 N

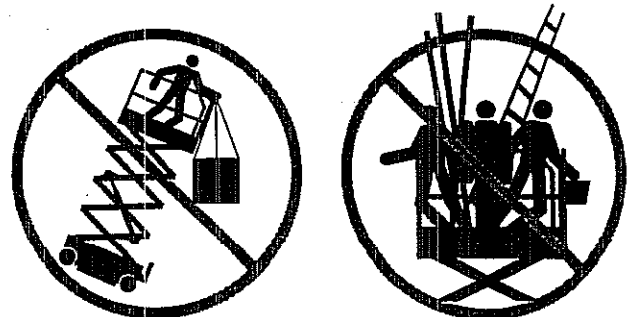


Do not alter or disable machine components that in any way affect safety and stability.

Do not modify or alter an aerial work platform. 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 place or attach fixed or overhanging loads to any part of this machine.



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

## SAFETY RULES

Do not use 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 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 use the machine as a crane.

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

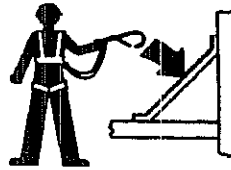
Do not contact adjacent structures with the platform.

Do not tie the platform to adjacent structures.

Do not place loads outside the platform perimeter.

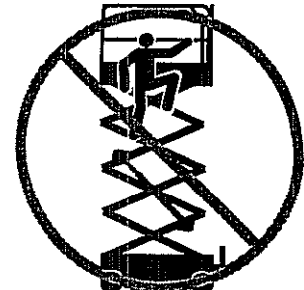
Do not operate the machine with the chassis trays open.

## Fall Hazards



Occupants should wear a safety belt or harness and comply with applicable governmental regulations. Attach lanyard to anchor provided in platform.

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.

Attach the platform entry chain and 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.

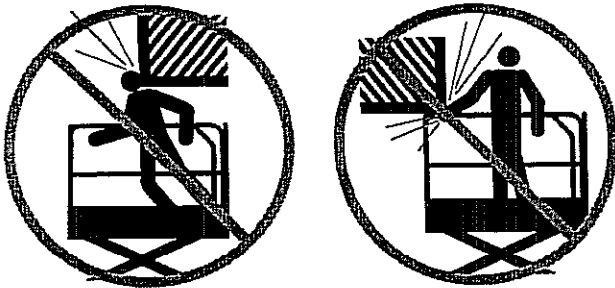
Be aware of extended platform position when moving the machine.

Machine must be on level surface or secured before releasing brakes.

It is recommended that operators wear an approved hard hat when operating the machine.

## SAFETY RULES

Check work area for overhead obstructions or other possible hazards.

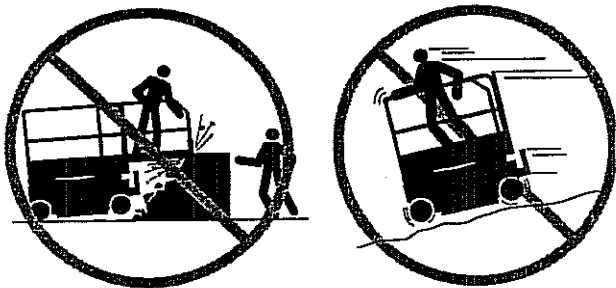


Be aware of crushing hazard when grasping the platform guard rail.

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

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 condition of ground surface, congestion, slope, location of personnel, and any other factors which may cause collision.

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.

### 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.

### Component Damage Hazard

Do not use machine as a ground for welding.

### Explosion and Fire Hazard

Do not operate the machine or charge the battery 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 *Genie GS-1530 & GS-1930 Service Manual*.

Be sure all decals are in place and legible.

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

## SAFETY RULES

**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.

**Decal Legend**

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

- ▲ DANGER** Red—used to indicate the presence of a hazard that **will** cause death or serious injury.
- ▲ WARNING** Orange—used to indicate the presence of a hazard that **may** cause death or serious injury.
- ▲ CAUTION** Yellow—used to indicate the presence of a hazard that **will** or **may** cause serious injury or damage to the machine.
- ▲ NOTICE** Green—used to indicate operation or maintenance information.



## SAFETY RULES

## Battery Safety

### Burn Hazards

Batteries contain acid. Always wear protective clothing and eyewear 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 and/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 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.

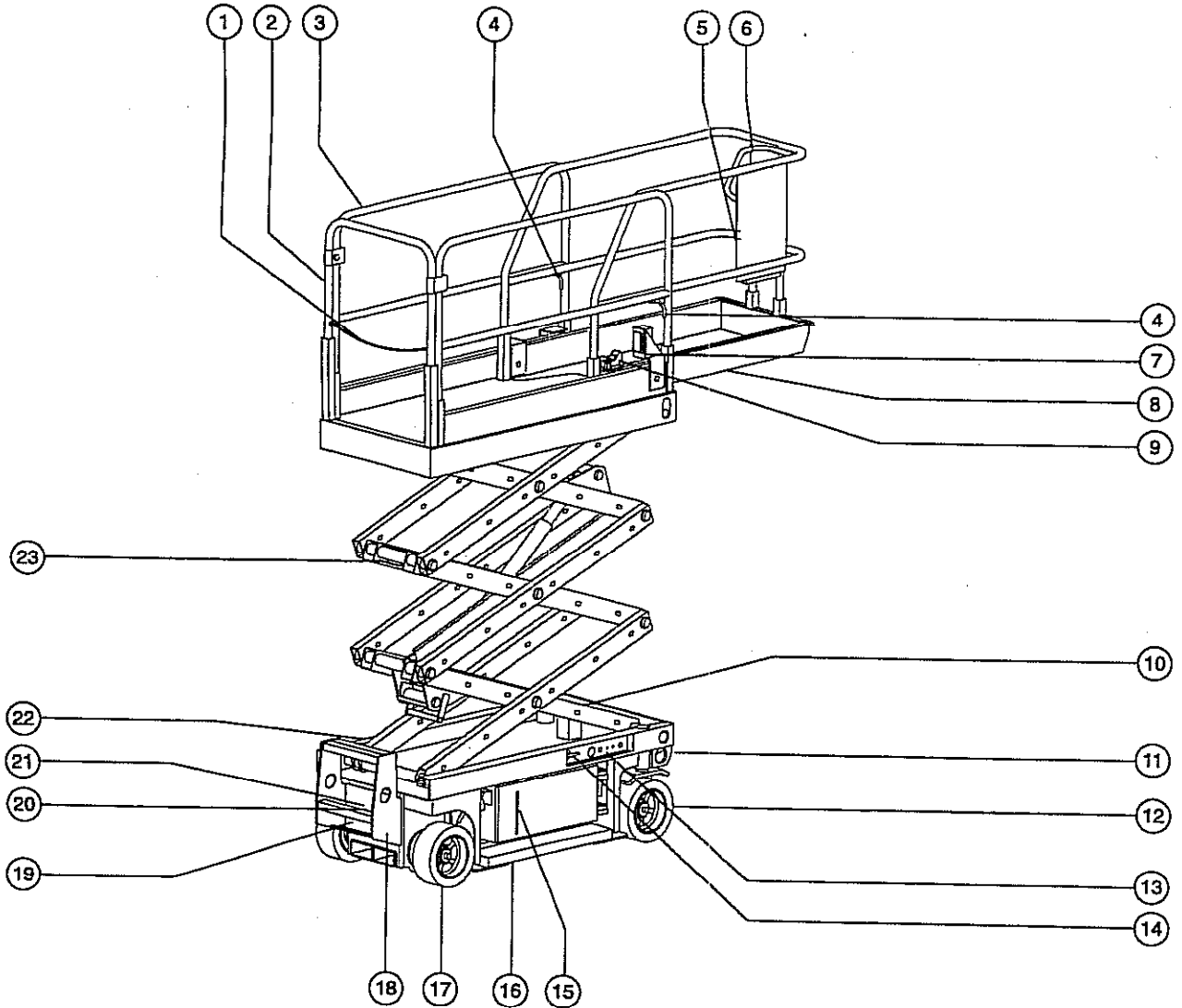
### Tip-over Hazard

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 (24.5 kg).

### Lifting Hazard

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

# Legend

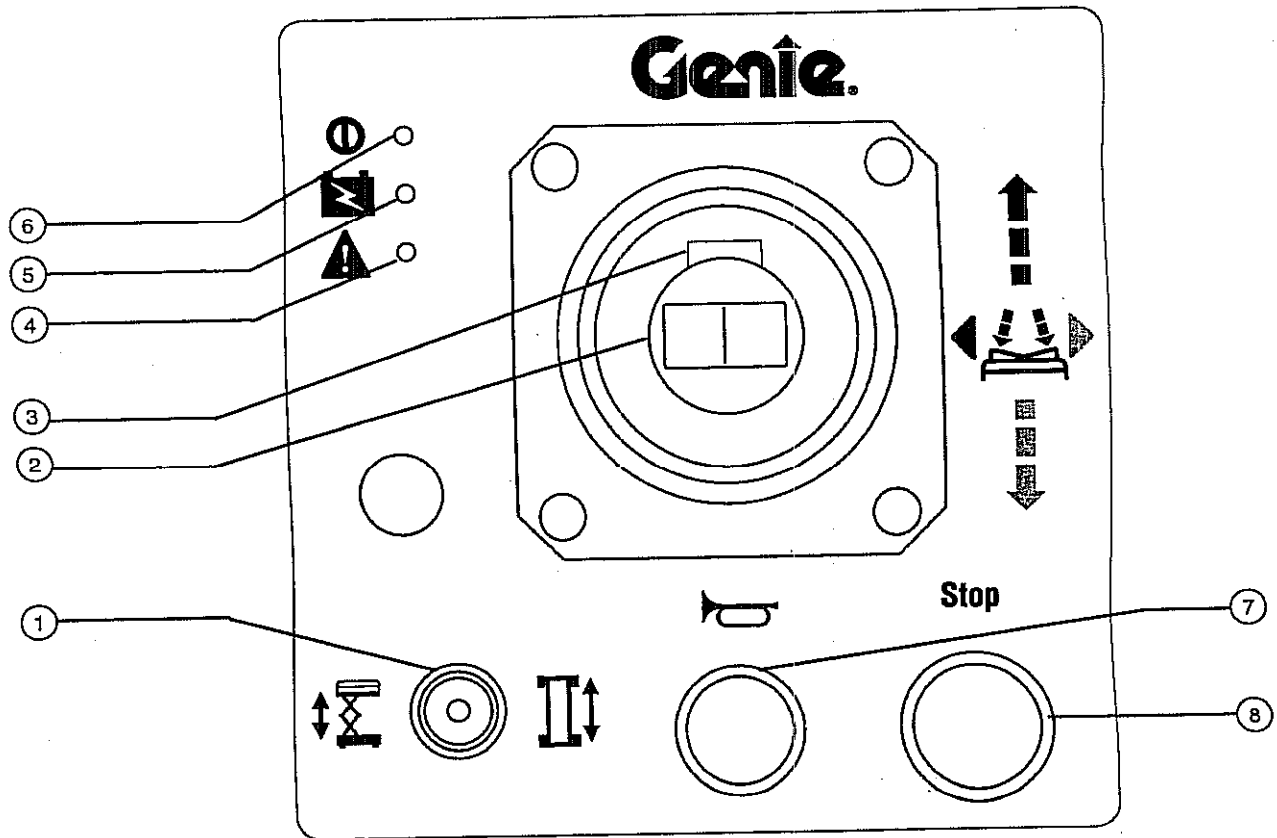


- 1 Platform entry chain
- 2 Platform entry rail
- 3 Platform guard rails
- 4 Lanyard attachment point
- 5 Manual storage container
- 6 Platform controls
- 7 GFCI outlet
- 8 Platform extension
- 9 Platform extension release pedal

- 10 Tilt alarm (under cover)
- 11 Transport tie-down
- 12 Steer tire
- 13 Ground controls
- 14 Manual lowering knob
- 15 Hydraulic oil level indicator
- 16 Pothole guard
- 17 Non-steer tire
- 18 Entry ladder/transport tie-down

- 19 Battery charger
- 20 Brake release pump knob
- 21 Brake release knob
- 22 LED diagnostic readout (on opposite side of machine)
- 23 Safety arm

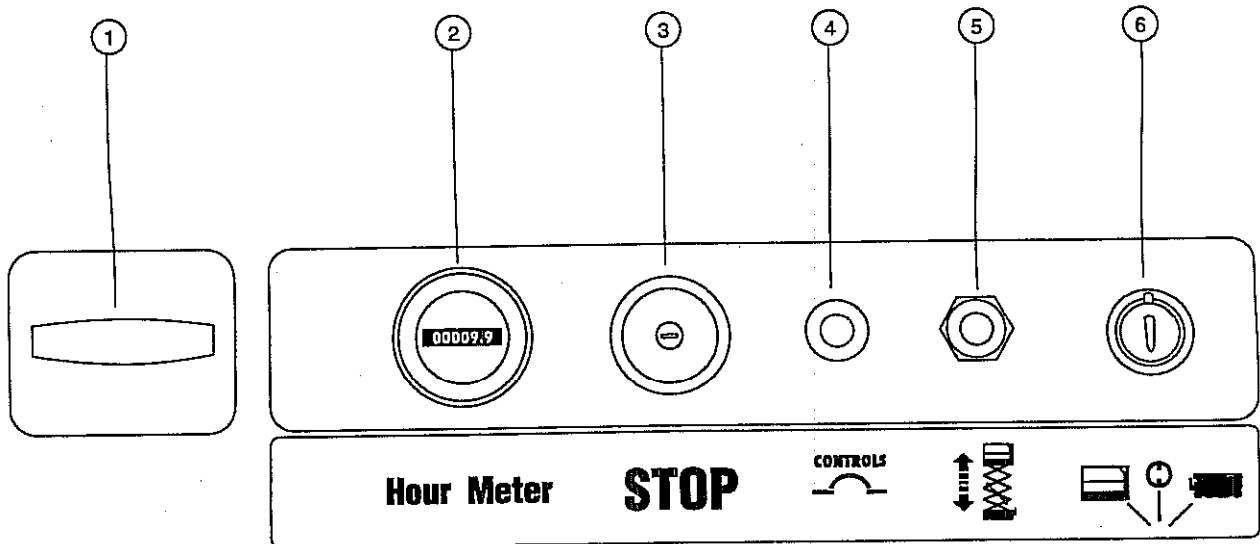
# Controls



### Joystick Controller

- |                                                                                                |                               |
|------------------------------------------------------------------------------------------------|-------------------------------|
| 1 Lift/drive select toggle switch                                                              | 4 Error indicator light       |
| 2 Proportional control handle for lift and drive functions and thumb rocker for steer function | 5 Low battery indicator light |
| 3 Function enable switch                                                                       | 6 Power light                 |
|                                                                                                | 7 Horn                        |
|                                                                                                | 8 Emergency Stop button       |

CONTROLS



**Ground Control Panel**

- |                                                                                                                                 |                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>1 Manual lowering knob</li> <li>2 Hour meter</li> <li>3 Emergency Stop button</li> </ul> | <ul style="list-style-type: none"> <li>4 Breaker for electrical circuits</li> <li>5 Platform up/down toggle switch</li> <li>6 Key switch for platform/off/ground selection</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

---

# 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 work place.
  - 5 Only use the machine as it was intended.

## Fundamentals

It is the responsibility of the operator to perform a Pre-operation Inspection.

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.

Refer to the list on page 11 and check each of the items and locations for modifications, damage or loose or missing parts.

A damaged or modified machine must never be used. 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 manuals.

## PRE-OPERATION INSPECTION

**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, page 20).
- Check the hydraulic tank oil level. Check for leaks.

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

- 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 chain or gate
- Beacon and alarms (if equipped)
- Brake release components
- Safety arm
- Pothole guards
- Platform extension
- Scissor pins and retaining fasteners
- Platform control joystick

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.
- Side rails are installed and bolts are fastened
- Be sure that the chassis trays are in place, latched and properly connected.

# 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 work place.
- 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 button to the ON position.
- 4 Turn the key switch to ground control.
- 5 Observe the diagnostic LED readout.
- ⊙ Result: LED should read 23.

## 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 audible warnings on this machine and the standard horn all come from the same central alarm. The horn is a constant tone. The descent alarm sounds at 60 beeps per minute. The alarm that goes off when the pothole guards have not deployed sounds at 300 beeps per minute. The alarm that goes off when the machine is not level sounds at 600 beeps per minute. An optional automotive-style horn is also available.

- 8 Activate the up function.
- ⊙ Result: The platform should raise.
- 9 Activate the down function.
- ⊙ Result: The platform should lower. The descent alarm should sound while the platform is lowering.

## FUNCTION TESTS

### Test the Manual Lowering

- 10 Activate the up function and raise the platform approximately 2 feet (0.6 m).
- 11 Pull the manual lowering knob located next to the ground controls.
- ⊙ Result: The platform should lower. The descent alarm will not sound.
- 12 Turn the keyswitch to platform control.

### At the Platform Controls

#### 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 the red Emergency Stop button out 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.
- 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 Move the lift/drive selector switch to the lift position.
- 19 Press and hold the function enable switch.
- ⊙ Result: The green power light should come on.
- 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.

CE models: When lowering the platform, the platform should stop when it is 7 feet (2.1 m) from the ground. Be sure the area below the platform is clear of personnel and obstructions before continuing. To continue lowering, release the control handle, wait 5 seconds, then move the control handle again.

#### Test the Steering

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

- 23 Move the lift/drive selector switch to the drive position.

- 24 Press and hold the function enable switch.

- 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 control panel.

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



## FUNCTION TESTS

**Test Drive and Braking**

- 27 Press and hold the function enable switch.
- 28 Slowly move the control handle in 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 drive brakes must be able to hold the machine on any slope it is able to climb.

**Test Limited Drive Speed**

- 30 Move the lift/drive selector switch to the lift position.
- 31 Press and hold the function enable switch. Raise the platform approximately 4 feet (1.2 m) from the ground.
- ⊙ Result: The pothole guards should deploy.
- 32 Move the lift/drive selector switch to the drive position.
- 33 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 1 foot per second (0.3 meters per second).

If the drive speed with the platform raised exceeds 1 foot per second (0.3 meters per second), immediately tag and remove the machine from service.

**Test the Tilt Sensor Operation**

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

- 34 Fully lower the platform.
- 35 Place a 2x4 or similar piece of wood under both wheels on one side and drive the machine up onto them.
- 36 Raise the platform.
- ⊙ Result: Before the platform is raised 7 feet (2.1 meters) from the ground, an alarm should sound.
- 37 Lower the platform and remove both pieces of wood.

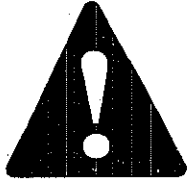
**Test the Pothole Guards**

Note: The pothole guards should automatically deploy when the platform is raised. The pothole guards activate another limit switch which allows the machine to continue to function. If the pothole guards do not deploy, an alarm sounds and the machine will not drive.

- 38 Raise the platform.
- ⊙ Result: When the platform is raised 4 feet (1.2 meters) from the ground, the pothole guards should deploy.
- 39 Press on the pothole guards on one side, and then the other.
- ⊙ Result: The pothole guards should not move.
- 40 Lower the platform.
- ⊙ Result: The pothole guards should return to the stowed position.
- 41 Place a 2x4 or similar piece of wood under a pothole guard. Raise the platform.
- ⊙ Result: Before the platform is raised 7 feet (2.1 meters) from the ground, an alarm should sound and the drive function should not work.
- 42 Lower the platform and remove the 2x4.

---

# Work Place 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 work place.**

**Know and understand the work place inspection before going on to the next section.**

- 5 Only use the machine as it was intended.

## Fundamentals

The Work Place Inspection helps the operator determine if the work place is suitable for safe machine operation. It should be performed by the operator prior to moving the machine to the work place.

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

## Work Place Inspection

Be aware of and avoid the following hazardous situations:

- drop-offs or holes
- bumps, floor obstructions or debris
- 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 work place.
  - 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 and tools 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 work place inspection before using the machine.

## 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 Emergency Stop button is pushed in.

## 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 Move the up/down toggle switch according to the markings on the control panel.

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 button to the ON position.
- 3 Be sure the battery pack is connected before operating the machine.

### To Position Platform

- 1 Move the lift/drive selector switch to the lift position.
- 2 Press and hold the function enable switch.
- 3 Move the control handle according to the markings on the control panel.

CE models: When lowering the platform, the platform should stop when it is 7 feet (2.1 m) from the ground. Be sure the area below the platform is clear of personnel and obstructions before continuing. To continue lowering, release the control handle, wait 5 seconds, then move the control handle again.

## OPERATING INSTRUCTIONS

### To Steer

- 1 Move the lift/drive selector switch to the drive position.
- 2 Press and hold the function enable switch.
- 3 Turn the steer wheels with the thumb rocker switch located on the top of the control handle.

### To Drive

- 1 Move the lift/drive selector switch to the drive position.
- 2 Press and hold the function enable switch.
- 3 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. The low battery indicator light will come on and the machine drive speed and function speed will drop.

### Error Indicator Light On



If the error indicator light is on, push in and pull out red Emergency Stop button to reset the system.



If the light stays on, tag and remove machine from service.

### To Extend and Retract Platform

- 1 Step on the platform extension release pedal on the platform toeboard.
- 2 Grasp the platform guard rails carefully and push to extend the platform to the mid-position stop.
- 3 Step on the release pedal again and push to fully extend the platform.

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

- 4 Step on the platform extension release pedal and pull to retract the platform to the mid-position stop. Step again to fully retract the platform.

### Operation From Ground with Controller

Maintain safe distances between operator, machine and fixed objects.

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

### 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.

# Transport 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.
- Transport vehicle must be parked on a level surface.
- Transport vehicle must be secured to prevent rolling while machine is being loaded.
- Be sure vehicle capacity, loading surfaces and chains or straps are sufficient to withstand machine weight (see *Specifications*, page 23).
- Machine must be on level surface or secured before releasing brakes.

## Securing to Truck or Trailer for Transit

Always chock machine wheels in preparation for transport.

Use tie-down points on chassis for anchoring down to transport surface.

Use chains or straps of ample load capacity.

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

Inspect entire machine for loose or unsecured items.

## Brake Release Operation

- 1 Chock wheels to prevent machine from rolling.
- 2 Be sure winch line is properly secured to drive chassis tie points and path is clear of all obstructions.
- 3 Turn the brake release knob counterclockwise to open the brake valve.
- 4 Pump the brake release pump knob.

After machine is loaded:

- 1 Chock wheels to prevent machine from rolling.
- 2 Turn the brake release knob clockwise to reset the brakes.

Towing the Genie GS-1530 or the GS-1930 is not recommended. If the machine must be towed, do not exceed 2 mph (3.2 km/h).

# Decals

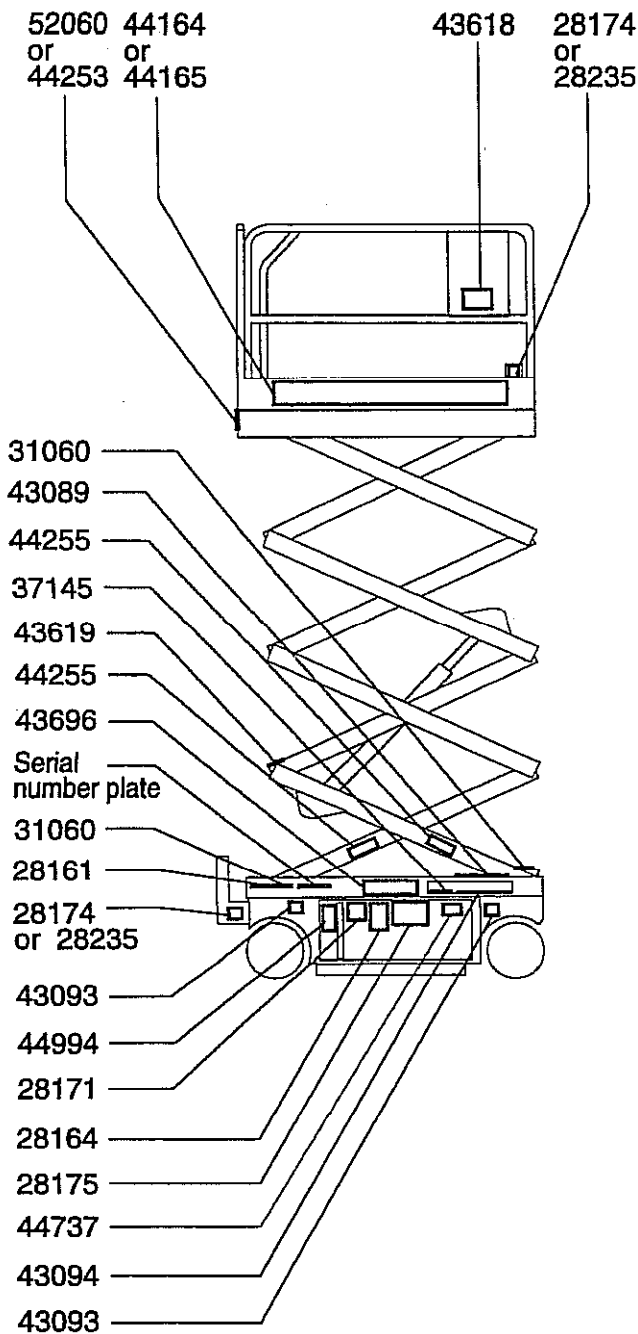
## Decal Inspection

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

Below is a numerical list with quantities and descriptions.

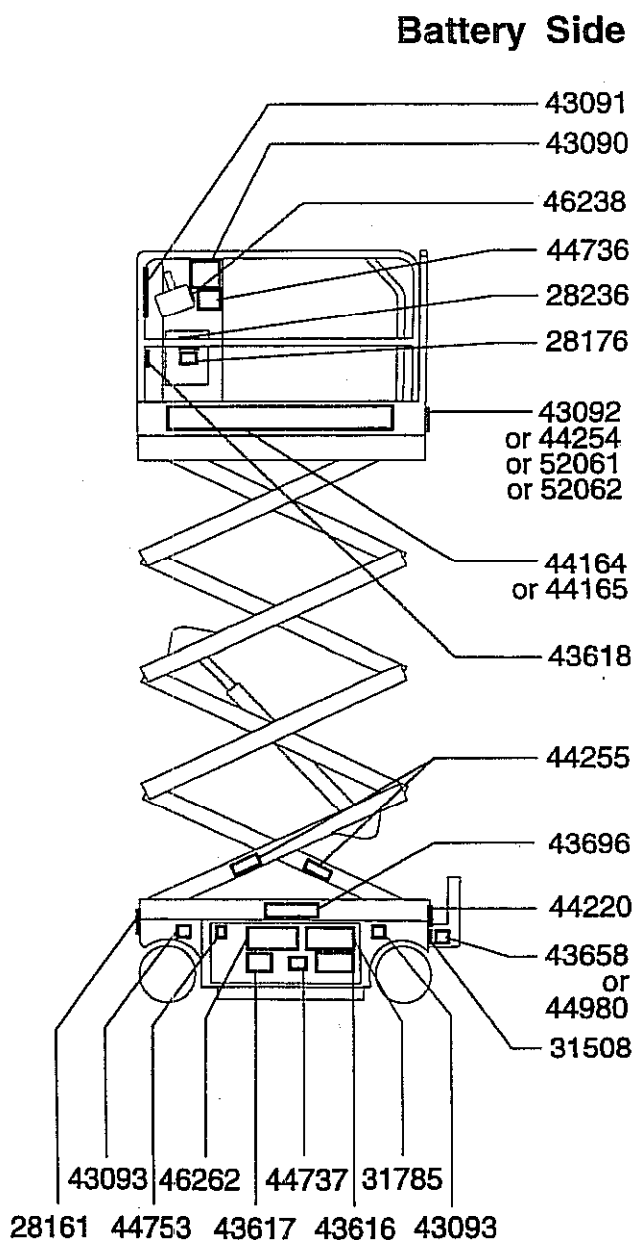
Part No.	Description	Quantity	Part No.	Description	Quantity
28161	Warning - Crush Hand	2	43658	Label - Power to Charger, 230V	1
28164	Notice - Hazardous Materials	1	43696	Danger - Electrocutation Hazard	2
28171	Label - No Smoking	1	44164	Genie GS-1530	2
28174	Power to Platform, 230V	2	44165	Genie GS-1930	2
28175	Caution - Compartment Access	1	44220	Danger/Notice - Brake Release Safety & Operating Instructions	1
28176	Notice - Missing Manuals	1	44253	Notice - Side Force 100 lbs/448N, ANSI & CSA	1
28235	Power to Platform, 115V	2	44254	Notice - Max Cap 500 lbs, GS-1930, ANSI & CSA	1
28236	Warning - Failure To Read . . .	1	44255	Danger - Crushing Hazard	4
31060	Danger - Do Not Alter Limit Switch	2	44736	Danger - Tilt Alarm	1
31508	Notice - Power to Battery Charger	1	44737	Danger - Tip-over, Trays Open	2
31785	Notice - Battery Charger Operating Instructions	1	44753	Label - LED Diagnostic Readout	1
37145	Label - Manual Lowering	1	44980	Label - Power to Charger, 115V	1
43089	Notice - Operating Instructions - Ground	1	44994	Label - Hydraulic Fluid Level / Dexron	1
43090	Notice - Operating Instructions - Platform	1	46238	Notice - Error Indicator Light	1
43091	Danger - General Safety Rules	1	46262	Danger - Battery/Charger Safety	1
43092	Notice - Max Cap 600 lbs, GS-1530, ANSI & CSA	1	52060	Notice - Side Force, Wind Speed, CE	1
43093	Notice - Tire specification	4	52061	Notice - Max Cap 500 lbs, GS-1930, CE	1
43094	Ground Control Panel	1	52062	Notice - Max Cap 600 lbs, GS-1530, CE	1
43616	Battery Connection Diagram	1	52458	Serial Plate, CE	1
43617	Danger - Tip-over (batteries)	1	52523	Serial Plate, ANSI & CSA	1
43618	Label - Directional arrows	2			
43619	Label - Safety Arm	1			

DECALS



**Ground Controls Side**

Some decals are hidden from view when platform is lowered



# Floor Loading

## Fundamentals

The floor loading section provides information about two specific pressures imposed by the machine on load-bearing surfaces.

## Additional Floor Loading Information

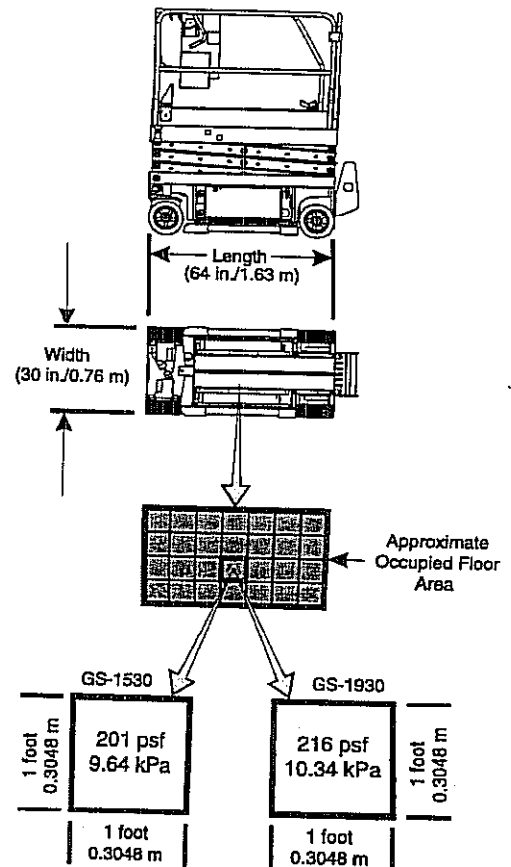
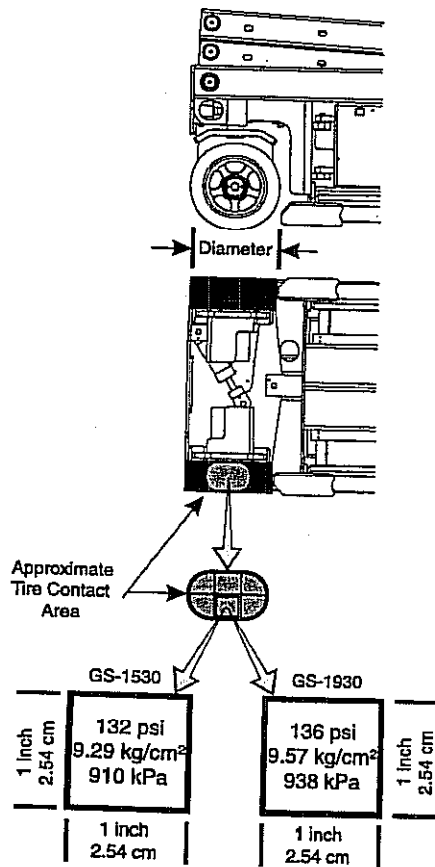
Model	GS-1530	GS-1930
GVW + Rated Load	3285 lbs 1490 kg	3380 lbs 1533 kg
Axle load, maximum	2400 lbs 1088 kg	2460 lbs 1115 kg
Wheel load, maximum	1200 lbs 544 kg	1230 lbs 558 kg

### Localized Pressure (per tire)

This measurement is of concern where the floor surface under the machine must be protected from damage resulting from high pressure being exerted on a small area.

### Occupied Pressure

This measurement is of concern where the machine is being used on a beam-supported floor or surface. The occupied pressure imposed by the machine must not exceed what the floor or surface can support.





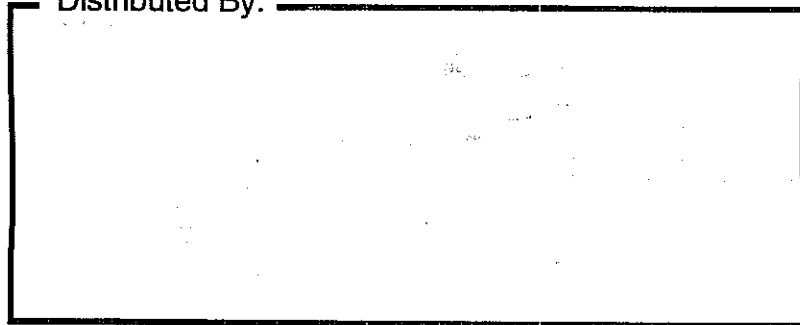
# Specifications

Model	GS-1530	GS-1930
Height, working maximum	21 ft 6.4 m	25.1 ft 7.7 m
Height, platform maximum	15 ft 4.6 m	19.1 ft 5.8 m
Height, stowed maximum Rails up - CE	80 <sup>1</sup> / <sub>4</sub> in 203.7 cm	82 <sup>1</sup> / <sub>2</sub> in 209.6 cm
Height, stowed maximum Rails up - ANSI	75 <sup>7</sup> / <sub>8</sub> in 192.8 cm	78 <sup>1</sup> / <sub>4</sub> in 198.6 cm
Height, stowed maximum Rails lowered	74 in 188 cm	76 <sup>5</sup> / <sub>16</sub> in 193.8 cm
Height, stowed maximum Rails off	36 <sup>1</sup> / <sub>2</sub> in 93 cm	38 <sup>1</sup> / <sub>2</sub> in 98 cm
Height, guard rails	40 in 102 cm	40 in 102 cm
Width	30 in 76.2 cm	30 in 76.2 cm
Length, stowed	72 in 183 cm	72 in 183 cm
Length, platform extended	101 <sup>1</sup> / <sub>2</sub> in 257.8 cm	101 <sup>1</sup> / <sub>2</sub> in 257.8 cm
Maximum load capacity	600 lbs 272 kg	500 lbs 227 kg
Wheelbase	52 in 132.1 cm	52 in 132.1 cm
Turning radius (outside)	61 in 154.9 cm	61 in 154.9 cm
Turning radius (inside)	0 in 0 cm	0 in 0 cm
Ground clearance	2 <sup>5</sup> / <sub>8</sub> in 6.7 cm	2 <sup>5</sup> / <sub>8</sub> in 6.7 cm
Ground clearance Pothole guards deployed	7/ <sub>8</sub> in 2.2 cm	7/ <sub>8</sub> in 2.2 cm
Weight	2563 lbs 1163 kg	2963 lbs 1344 kg
Gradeability	30%	30%
Airborne noise emissions Maximum sound level at normal operating workstations (A-weighted)		>70 dB

Power source	4 Batteries, 6V 245AH	
Controls	Proportional	
Platform dimensions, (length x width)	62 <sup>1</sup> / <sub>4</sub> in x 25 <sup>1</sup> / <sub>2</sub> in 158 x 65 cm	
Platform extension length	39 <sup>1</sup> / <sub>4</sub> in 1 m	
AC outlet in platform	standard	
Maximum hydraulic pressure (functions)		
GS-1530	3000 psi	207 bar
GS-1930	3500 psi	241 bar
Tires size	12 x 4.5 x 8 in	
Hydraulic system capacity	5 <sup>1</sup> / <sub>2</sub> gallons 20.8 liters	
<b>Drive speeds</b>		
Stowed, maximum	2.5 mph 4.0 km/h	
Platform raised, maximum	0.5 mph 0.7 km/h 40 ft/55 sec 12.5 m/55 sec	
<b>Function Speed</b>	<b>GS-1530</b>	<b>GS-1930</b>
Platform up	16 sec	16 sec
Platform down	17 sec	23 sec

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 1800  
Toll Free in USA 800 536 1800  
Toll Free in Canada 800 426 8089  
Fax: 425 883 3475

**Genie UK Limited**

Phone: 44 1636 605030  
Fax: 44 1636 611090

**Genie China**

Phone: 86 21 62483040  
Fax: 86 21 62588180

**Genie Japan**

Phone: 81 3 3453 6082  
Fax: 81 3 3453 6083

**Genie Australia Pty Ltd.**

Phone: 61 07 3375 1660  
Fax: 61 07 3375 1002

**Genie France**

Phone: 33 237 260 999  
Fax: 33 237 260 998

**Genie Holland**

Phone: 31 7051 78836  
Fax: 31 7051 13993

**Genie Latin America**

Phone: 561-994-0380  
Fax: 561-997-5877