

Introduction



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 Sign Maintenance

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

Hazard Classification

Decals on this machine use symbols, color coding, and signal words to identify the following:



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



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



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


















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

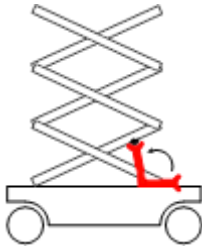
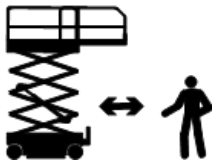








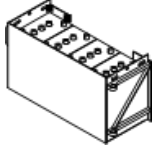


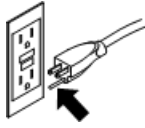



Indicates a property damage message.


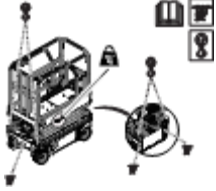









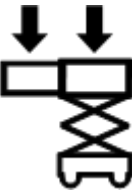



Symbol and Hazard Pictorials Definitions

				
Read the operator's manual	Read the service manual	Crush hazard	Crush hazard	Collision hazard
				
Tip-over hazard	Tip-over hazard	Tip-over hazard	Tip-over hazard	Electrocution hazard
				
Electrocution hazard	Explosion hazard	Fire hazard	Burn hazard	Skin injection hazard

Symbol and Hazard Pictorials Definitions



 <p>Engage safety arm</p>	 <p>Keep away from moving parts</p>	 <p>Keep clear of tires</p>	 <p>Move machine to level ground</p>	 <p>Close chassis tray</p>
 <p>Lower the platform.</p>	 <p>Platform overloaded</p>	 <p>Maintain required clearance</p>	 <p>Access by trained and authorized personnel only</p>	 <p>Use a piece of cardboard or paper to search for leaks</p>
 <p>Batteries used as counterweights</p>	 <p>Chock the wheels</p>	 <p>No smoking</p>	 <p>Grounded AC 3-wire only</p>	 <p>Replace damaged wires and cords</p>

Symbol and Hazard Pictorials Definitions

 <p>Wheel load</p>	 <p>Lifting & tie down instructions</p>	 <p>Lifting point</p>	 <p>Lanyard anchorage points</p>	 <p>Wind speed</p>
 <p>Tiedown</p>	 <p>Release brakes</p>	 <p>Engage brake</p>	 <p>Pressure rating for air line to platform</p>	 <p>Voltage rating for power to platform</p>
 <p>Maximum capacity</p>		 <p>Indoor</p>	 <p>Outdoor</p>	 <p>Manual force</p>

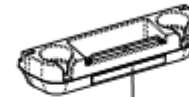
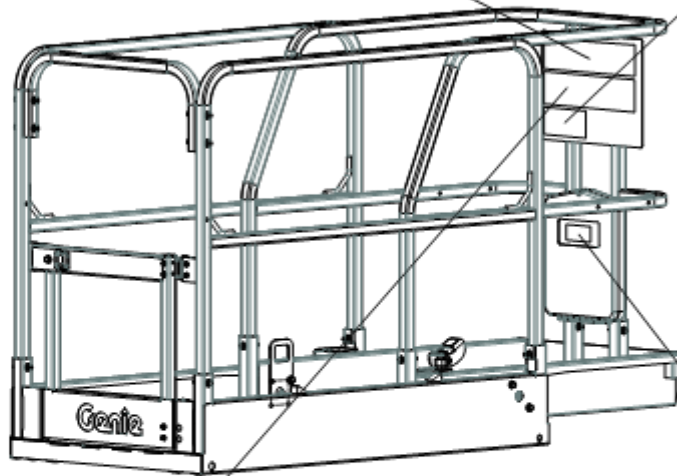
General Safety

1306903

▲ DANGER		▲ DANGER	
<p>Re-direction Hazard Death or injury can result from contacting power lines. This machine is not electrically insulated. Always contact the electric power line owner. The electric power shall be disconnected or the power line moved or marked before machine operations begin.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>1 Lower the platform.</p> <p>2 Move the mast.</p>

1305439

▲ DANGER	▲ WARNING	▲ WARNING
		
<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>





1296821

▲ WARNING
<p>Improper operation or maintenance can result in serious injury or death.</p>

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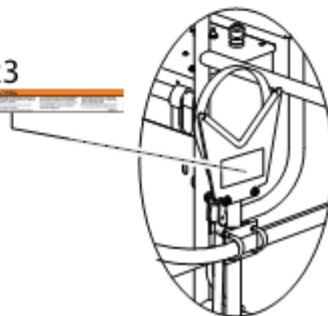
▲ DANGER	▲ DANGER	▲ DANGER	▲ DANGER	▲ DANGER	▲ DANGER	▲ DANGER
						
<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>	<p>Tip-over Hazard If the operator is seated, and is not a reverse slope, death or serious injury could occur.</p>

28236

▲ WARNING	▲ WARNING
	
<p>Improper operation or maintenance can result in serious injury or death.</p>	<p>Read and understand Operator's Manual, Responsibilities Manual and Safety Manual and all safety signs before using or maintaining machine. If you do not understand the information in the manuals, consult your supervisor, the owner or the manufacturer.</p>

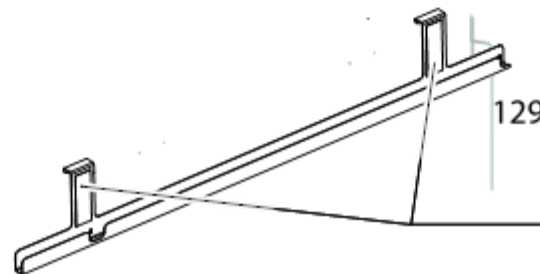
1296823

▲ WARNING
<p>Improper operation or maintenance can result in serious injury or death.</p>

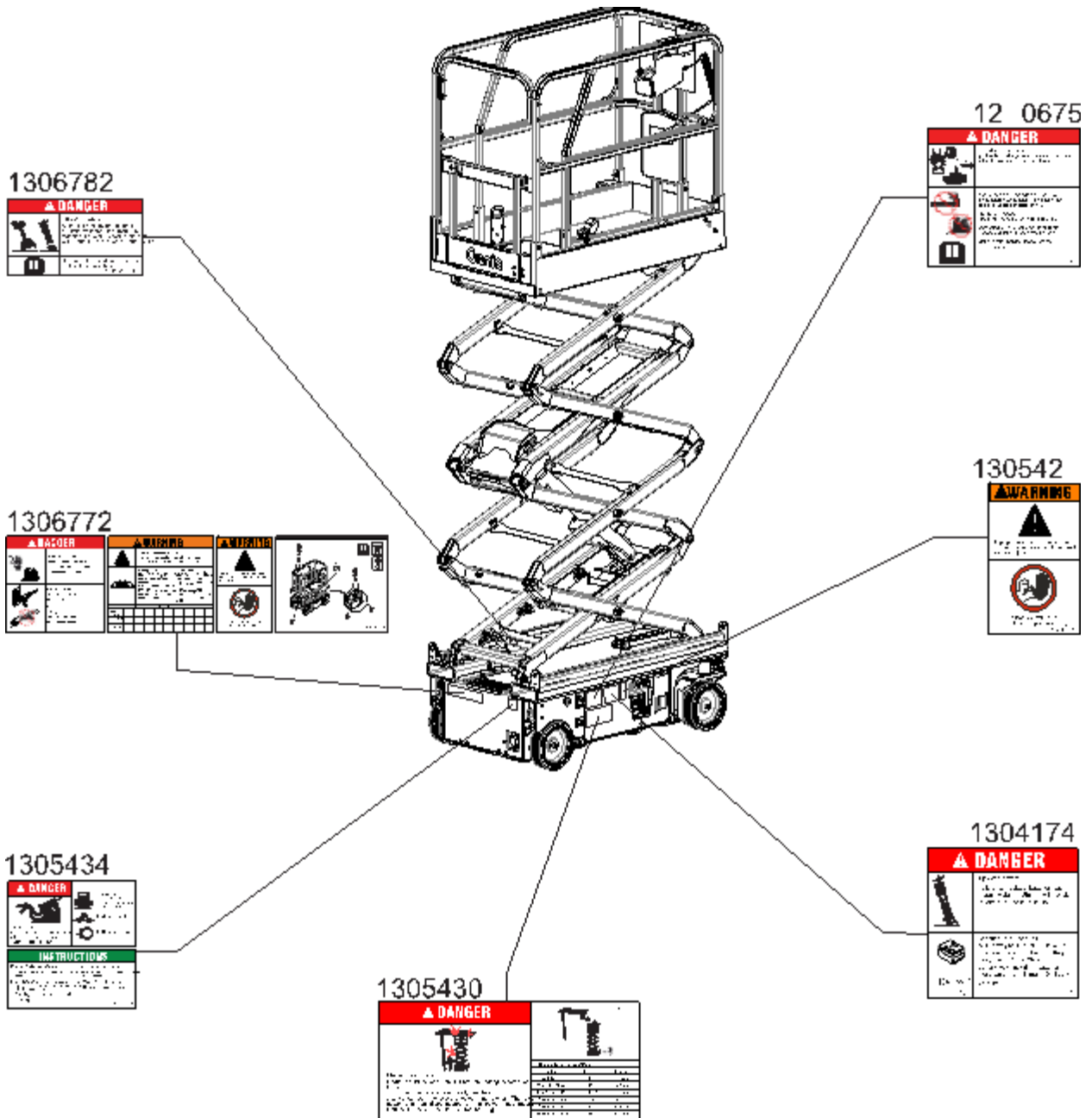


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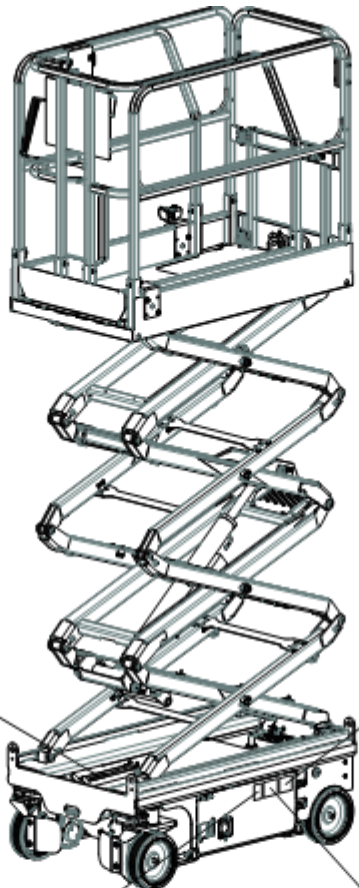
▲ WARNING
<p>Improper operation or maintenance can result in serious injury or death.</p>



General Safety



General Safety



1305427

▲ DANGER

Crushing Hazard
Death or serious injury can result from contact with rearing scissor arms.

Engage safety pin before performing maintenance or repair. See service manual.

1305427 4

1290675

▲ DANGER

Wear eye protection when working on or near the scissor lift. Do not look directly at the sun or other bright light sources. Do not look directly at the laser beam.

1290675 4

1305429

▲ WARNING

Improper operation or maintenance of this equipment can result in death or serious injury.

Access by trained and authorized personnel only.

1305429 4

1304174

▲ DANGER

Follow instructions for battery safe proper weight before with respect to battery or serious injury.

1304174 4



Personal Safety

Personal Fall Protection

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

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

Work Area Safety

⚠ Electrocuting Hazards

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



Obey all local and governmental regulations regarding required clearance from electrical power lines. At a minimum, the required clearance contained in the chart below must be followed.

Line Voltage	Required Clearance	
0 to 50KV	10 ft	3.05 m
50 to 200KV	15 ft	4.60 m
200 to 350KV	20 ft	6.10 m
350 to 500KV	25 ft	7.62 m
500 to 750KV	35 ft	10.67 m
750 to 1000KV	45 ft	13.72 m

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



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

Do not operate the machine during lightning or storms.

Do not use the machine as a ground for welding.

⚠ Tip-over Hazards

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

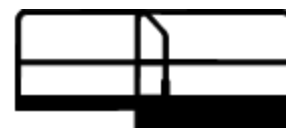
Maximum capacity

Model	Platform extended			
	Platform retracted	Platform only	Extension only	Maximum occupants
GS-1432m	500 lbs 227 kg	250 lbs 113 kg	250 lbs 113 kg	Indoor – 2 Outdoor – 1
GS-1932m	500 lbs 227 kg	250 lbs 113 kg	250 lbs 113 kg	Indoor – 2 Outdoor – 1
GS-1932m XH	500 lbs 227 kg	250 lbs 113 kg	250 lbs 113 kg	Indoor – 2 Outdoor – 1

Platform retracted



Platform extended



Extension only

Platform only

The weight of options and accessories, such as panel carriers, will reduce the rated platform capacity and must be subtracted from the platform capacity. See the decals with the options and accessories.

If using accessories, read, understand and obey the decals, instructions and manuals with the accessory.

Work Area Safety



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



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 depend on the tilt alarm as a level indicator. The tilt alarm sounds on the chassis only 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 drive over 0.5 mph / 0.8 km/h with the platform raised.

Follow ratings for allowable side force and number of occupants shown below.

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.

Outdoor use: Do not operate the machine outdoors with the indoor use button selected.



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

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

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.

Work Area Safety

Do not operate the machine with the chassis trays open.



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

Model	Maximum allowable side force	Maximum occupants
GS-1432m	Indoor – 90 lbs/400N Outdoor – 45 lbs/200 N	Indoor – 2 Outdoor – 1
GS-1932m	Indoor – 90 lbs/400N Outdoor – 45 lbs/200 N	Indoor – 2 Outdoor – 1
GS-1932m XH	Indoor – 90 lbs/400N Outdoor – 45 lbs/200 N	Indoor – 2 Outdoor – 1

Do not alter or disable the limit switches.

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

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 a minimum of 61 lbs/28 kg. Charger tray including batteries must weigh a minimum of 108lbs/49kg, G-CON tray including batteries must weigh a minimum of 105lbs/48kg

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



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



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

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

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

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

Work Area Safety

⚠️ Crushing Hazard

Keep hands and limbs out of scissors.

Keep hands clear when folding rails.

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

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.

⚠️ Operation on Slopes Hazards

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

Model	Maximum slope rating, stowed position	Maximum side slope rating, stowed position
GS-1432m	25% (14°)	25% (14°)
GS-1932m	25% (14°)	25% (14°)
GS-1932m XH	25% (14°)	25% (14°)

Note: Slope rating is subject to ground conditions with one person in the platform and adequate traction. Additional platform weight may reduce slope rating. See Driving on a Slope in the Operating Instructions section.

⚠️ Fall Hazards

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



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.

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

Work Area Safety

⚠ 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.

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

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



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.



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

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

No stunt driving or horseplay while operating a machine.



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

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

Work Area Safety

▲ 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.

▲ Explosion and Fire Hazards

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 appropriate Genie service manual.

Be sure all decals are in place and legible.

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

▲ Component Damage Hazards

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

Do not use the machine as a ground for welding.

Work Area Safety

⚠ Battery Safety

Burn Hazards



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

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

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

Explosion Hazards



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

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

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

Component Damage Hazard

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

Electrocution/Burn Hazards



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

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

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

Tip-over Hazard

Do not use batteries that weigh less than the original equipment. Batteries are used as counterweight and are critical to machine stability. Each battery must weigh a minimum of 61 lbs/28 kg. Charger tray including batteries must weigh a minimum of 108lbs/49kg, G-CON tray including batteries must weigh a minimum of 105lbs/48kg

Lifting Hazard

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

Work Area Safety

Lockout After Each Use

- 1 Select a safe parking location—firm level surface, clear of obstruction and traffic.
- 2 Lower the platform.
- 3 Turn the key switch to the off position and remove the key to secure from unauthorized use.
- 4 Charge the batteries.