

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.

Introduction

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.

⚠ DANGER

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

⚠ WARNING

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




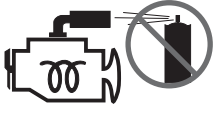





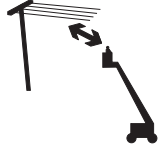


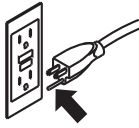



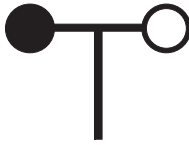
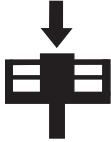

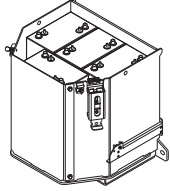
⚠ CAUTION

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



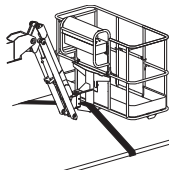
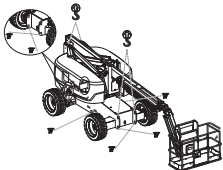


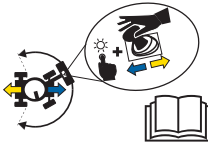




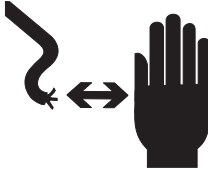

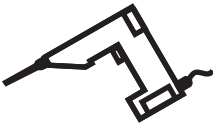
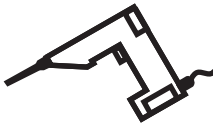
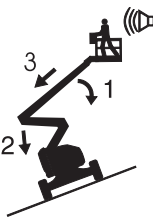
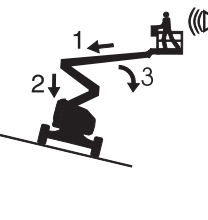



NOTICE

Indicates a property damage message.

Symbol and Hazard Pictorials Definitions

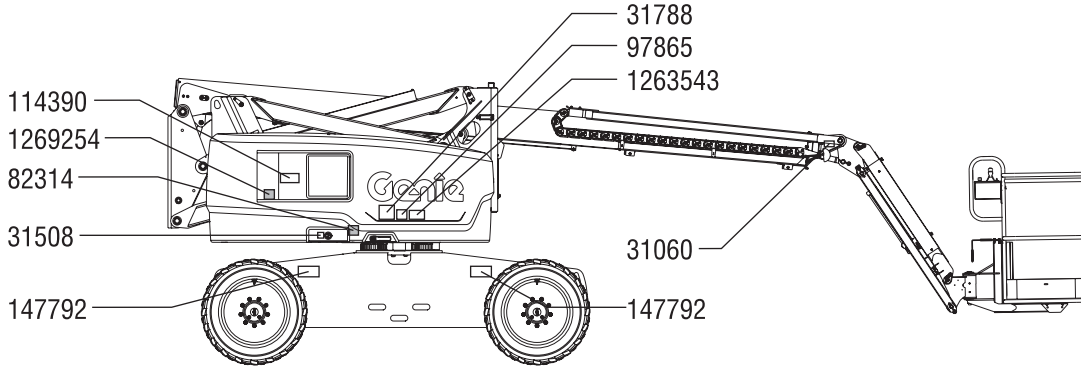
| | | | | |
|---|--|--|---|--|
|  <p>Fire hazard</p> |  <p>Explosion hazard</p> |  <p>Explosion hazard</p> |  <p>Do not use ether or other high energy starting aids on machines equipped with glow plugs.</p> |  <p>No smoking. No flame. Stop engine.</p> |
|  <p>Crush hazard</p> |  <p>No smoking</p> |  <p>Explosion hazard</p> |  <p>Electrocution hazard</p> |  <p>Maintain required clearance</p> |
|  <p>Tip-over hazard</p> |  <p>Tip-over hazard</p> |  <p>Grounded AC 3-wire only</p> |  <p>Replace damaged wires and cords</p> |  <p>Replace tires with tires of same specification.</p> |
|  <p>Wheel load</p> |  <p>Wind speed</p> |  <p>Maximum capacity</p> |  <p>Side force</p> |  <p>Batteries used as counterweights</p> |

Symbol and Hazard Pictorials Definitions

| | | | | |
|---|---|---|---|--|
|  <p>Tie-down point</p> |  <p>Lifting point</p> |  <p>Platform tie-down instructions</p> |  <p>Lifting & tie down instructions</p> |  <p>Lanyard anchorage points</p> |
|  <p>Corrosive acid.</p> |  <p>Color Coded Direction Arrows</p> |  <p>Runaway Hazard</p> |  <p>Collision hazard</p> |  <p>Collision hazard</p> |
|  <p>Electrocution hazard</p> |  <p>Avoid contact</p> |  <p>Disconnect battery</p> |  <p>Voltage rating for power to platform</p> |  <p>Pressure rating for air line to platform</p> |
| <p>Recovery procedure if tilt alarm sounds while elevated.</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="240 1268 391 1486">  <p>Platform uphill: 1 Lower primary. 2 Lower secondary. 3 Retract primary.</p> </div> <div data-bbox="461 1268 667 1486">  <p>Platform downhill: 1 Retract primary. 2 Lower secondary. 3 Lower primary.</p> </div> </div> | |  <p>Read the operator's manual</p> |  <p>Read the service manual</p> |  <p>Access by trained and authorized personnel only</p> |

General Safety

Z-60/37DC



114390

▲ DANGER

Electrocution / Fire Hazard
Death or injury can result from contacting electric parts.

Always unplug the battery pack from the power source before performing any maintenance or repair work.

| Part No. | Quantity | Part Name |
|----------|----------|---------------|
| 114390 | 1 | Battery Pack |
| 1269254 | 1 | Battery Pack |
| 82314 | 1 | Control Panel |
| 31508 | 1 | Rear Wheel |
| 147792 | 2 | Front Wheel |

31788

▲ DANGER

Electrocution / Fire Hazard
Death or injury can result from contacting electric parts.

Always unplug the battery pack from the power source before performing any maintenance or repair work.

Do not touch the battery pack or the electrical outlet.

Do not touch the battery pack or the electrical outlet.

Do not touch the battery pack or the electrical outlet.

1269254

▲ DANGER

Tip-over Hazard
Failure to replace batteries with proper weight batteries can cause death or serious injury.

Batteries are used as counterweight and are critical to machine stability. Each battery must weigh a minimum of 107 lbs / 48.5 kg. Battery box including batteries must weigh a minimum of 1,025 lbs / 465 kg.

97865

▲ WARNING

Electrocution / Burn Hazard
Failure to disconnect the batteries before performing service on this machine may result in death or serious injury.

Disconnect all the batteries before performing service on this machine.

82314

▲ DANGER

Tip-over Hazard
Altering or disabling angle sensor can result in machine tip-over. Machine tip-over will result in death or serious injury.

Do not move, alter or disable angle sensor.

1263543

▲ WARNING

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

Access by trained and authorized personnel only.

31508

▲ DANGER

Electrocution / Fire Hazard
Death or serious injury will result from use of improper or damaged cord and outlet.

Connect charger to a grounded AC three electrical outlet only.

Before each use, inspect for damaged cord, cables and wires. Replace damaged items before operating.

31060

▲ DANGER

Tip-over Hazard
Altering or disabling limit switches can result in machine tip-over. Machine tip-over will result in death or serious injury.

Do not alter or disable limit switches.

147792

▲ DANGER

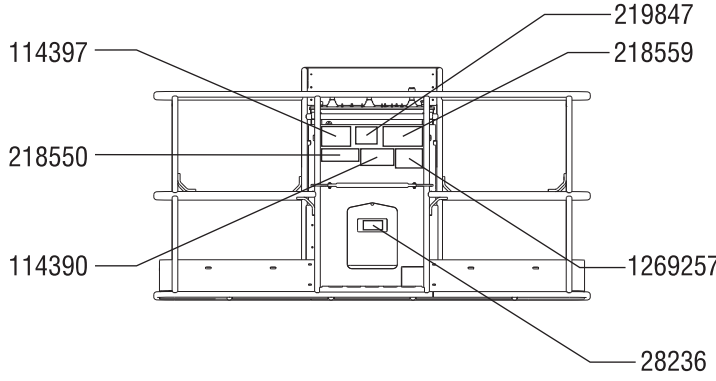
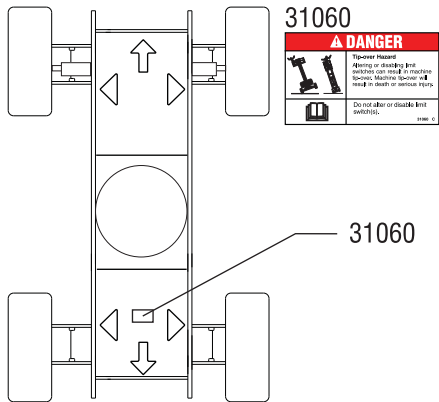
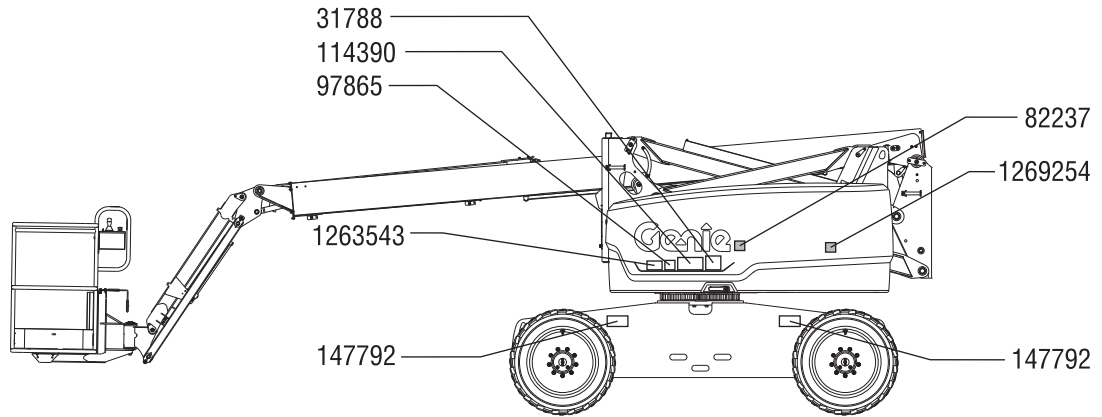
Tip-over Hazard
Do not use air-filled tires.

This machine is equipped with foam-filled tires. Wheel weight is critical to stability.

| |
|---|
| 305/55 D605 Foam-filled |
| Minimum New Foam-filled Tire Weight 415 lbs / 188 kg |
| Lug Nut Torque |
| Dry bulb: 240 N•m 205 Nm |
| Lubricated bolts: 180 N•m 244 Nm |

General Safety

Z-60/37DC



31060

▲ DANGER

Tip-over Hazard
 Failure to adjust the front leveling feet may result in death or serious injury.

Do not alter or disable limit switches.

11603 A

31788

▲ DANGER

Electrocution Hazard
 Contact with energized components can result in death or serious injury.

11603 A

1263543

▲ WARNING

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

Access by trained and authorized personnel only.

11603 A

114390

▲ DANGER

Electrocution Hazard
 Failure to disconnect the batteries before performing service on this machine may result in death or serious injury.

Disconnect the battery control system. The battery control system disconnects the power to the lift. Disconnect the battery control system before performing service on this machine.

| Model | Weight |
|----------|-------------------|
| Z-60 | 1100 lbs / 500 kg |
| Z-37 | 1000 lbs / 450 kg |
| Z-37DC | 1000 lbs / 450 kg |
| Z-60DC | 1100 lbs / 500 kg |
| Z-60DC-2 | 1100 lbs / 500 kg |

11603 A

1269254

▲ DANGER

Tip-over Hazard
 Failure to reduce batteries with proper weight batteries will cause death or serious injury.

Batteries are used as counterweights and are critical to machine stability. Each battery must weigh a minimum of 107 lbs / 48.5 kg. Battery box including batteries must weigh a minimum of 1,025 lbs / 465 kg.

11603 A

82237

▲ DANGER

Electrocution Hazard
 Contact with energized components can result in death or serious injury.

82237 B

147792

▲ DANGER

Tip-over Hazard
 Do not use air-filled tires. This machine is equipped with foam-filled tires. Wheel weight is critical to stability.

11603 A

97865

▲ WARNING

Electrocution/Burn Hazard
 Failure to disconnect the batteries before performing service on this machine may result in death or serious injury.

Disconnect all the batteries before performing service on this machine.

11603 A

218559

▲ CAUTION

Do not operate the lift with a load capacity that exceeds the rated capacity. Exceeding the rated capacity may result in death or serious injury.

▲ WARNING

Do not operate the lift with a load capacity that exceeds the rated capacity. Exceeding the rated capacity may result in death or serious injury.

▲ WARNING

Do not operate the lift with a load capacity that exceeds the rated capacity. Exceeding the rated capacity may result in death or serious injury.

1269257

▲ WARNING

Tip-over Hazard
 Failure to reduce batteries with proper weight batteries will cause death or serious injury.

Batteries are used as counterweights and are critical to machine stability. Each battery must weigh a minimum of 107 lbs / 48.5 kg. Battery box including batteries must weigh a minimum of 1,025 lbs / 465 kg.

11603 A

218550

▲ DANGER

Maximum Allowable Speed
 20 mph / 32 km/h

Maximum Capacity
 500 lbs / 227 kg

Maximum Occupants
 2

Maximum Lift Force
 1000 lbs / 450 kg

11603 A

219847

▲ DANGER

Platform Overload
 Exceeding the rated capacity may result in death or serious injury.

Do not exceed the rated capacity. Exceeding the rated capacity may result in death or serious injury.

11603 A

114397

▲ DANGER

Tip-over Hazard
 Failure to reduce batteries with proper weight batteries will cause death or serious injury.

Batteries are used as counterweights and are critical to machine stability. Each battery must weigh a minimum of 107 lbs / 48.5 kg. Battery box including batteries must weigh a minimum of 1,025 lbs / 465 kg.

11603 A

114390

▲ DANGER

Electrocution Hazard
 Failure to disconnect the batteries before performing service on this machine may result in death or serious injury.

Disconnect the battery control system. The battery control system disconnects the power to the lift. Disconnect the battery control system before performing service on this machine.

| Model | Weight |
|----------|-------------------|
| Z-60 | 1100 lbs / 500 kg |
| Z-37 | 1000 lbs / 450 kg |
| Z-37DC | 1000 lbs / 450 kg |
| Z-60DC | 1100 lbs / 500 kg |
| Z-60DC-2 | 1100 lbs / 500 kg |

11603 A

28236

▲ WARNING

Electrocution Hazard
 Failure to disconnect the batteries before performing service on this machine may result in death or serious injury.

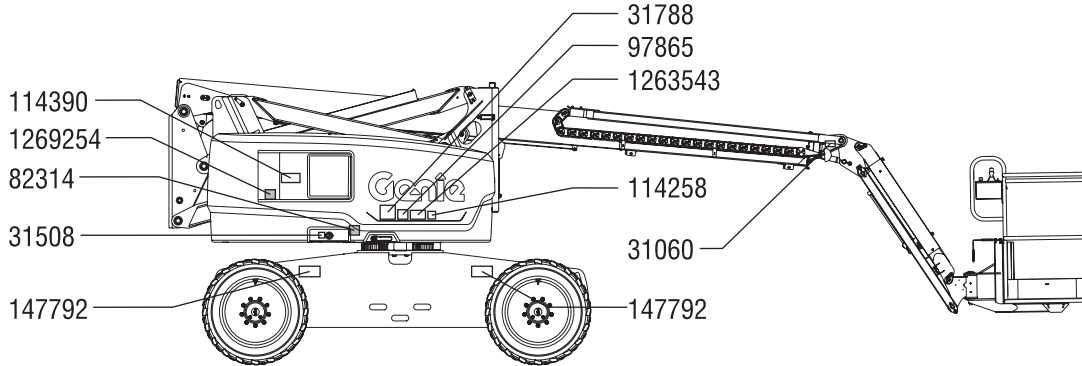
Disconnect all the batteries before performing service on this machine.

11603 A



General Safety

Z-60/37FE



114390

⚠ DANGER

Electrocution / Fire Hazard
Death or serious injury will result from use of improper or damaged cord and outlet.

Connect charger to a grounded AC three electrical outlet only.

Before each use, inspect for damaged cord, cables and wires. Replace damaged items before operating.

| Item | Weight | Quantity |
|---------|--------|----------|
| 114390 | 128 | 1 |
| 1269254 | 100 | 1 |
| 82314 | 215 | 1 |
| 31508 | 215 | 1 |
| 147792 | 215 | 1 |
| 31788 | 215 | 1 |
| 97865 | 215 | 1 |
| 1263543 | 215 | 1 |
| 114258 | 215 | 1 |
| 31060 | 215 | 1 |
| 147792 | 215 | 1 |

31788

⚠ DANGER

Electrocution/Burn Hazard
Failure to disconnect all the batteries before performing service on this machine may result in death or serious injury.

Disconnect all the batteries before performing service on this machine.

1269254

⚠ DANGER

Tip-over hazard.
Failure to replace batteries with proper weight batteries will cause death or serious injury.

Batteries are used as counterweight and are critical to machine stability. Each battery must weigh a minimum of 107 lbs / 48.5 kg. Battery sets including batteries must weigh a minimum of 1,025 lbs / 465 kg.

97865

⚠ WARNING

Electrocution/Burn Hazard
Failure to disconnect all the batteries before performing service on this machine may result in death or serious injury.

Disconnect all the batteries before performing service on this machine.

82314

⚠ DANGER

Tip-over Hazard
Altering or disabling angle sensor can result in machine tip-over. Machine tip-over will result in death or serious injury.

Do not move, alter or disable angle sensor.

1263543

⚠ WARNING

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

Access by trained and authorized personnel only.

31508

⚠ DANGER

Electrocution / Fire Hazard
Death or serious injury will result from use of improper or damaged cord and outlet.

Connect charger to a grounded AC three electrical outlet only.

Before each use, inspect for damaged cord, cables and wires. Replace damaged items before operating.

114258

⚠ DANGER

Burn Hazard
Fuel and fumes can explode and burn.

No smoking. No fire. Stop engine.

147792

⚠ DANGER

Tip-over Hazard
Do not use air-filled tires.

This machine is equipped with foam-filled tires. Wheel weight is critical to stability.

| |
|---|
| 350/55 R205 Foam-filled |
| Minimum New Foam-filled Tire Weight 415 lbs / 188 kg |
| Lug Nut Torque: Dry bolts: 300 ft-lb / 325 Nm |
| Lubricated bolts: 180 ft-lb / 244 Nm |

31060

⚠ DANGER

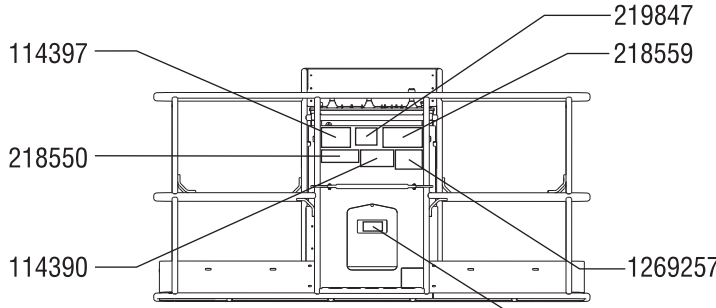
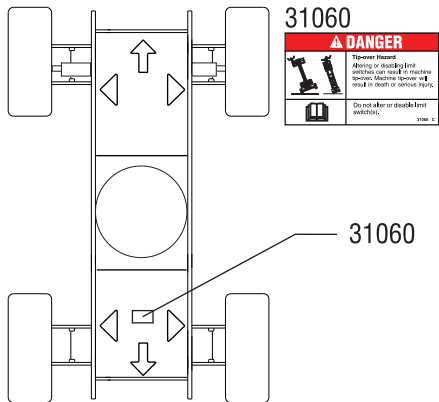
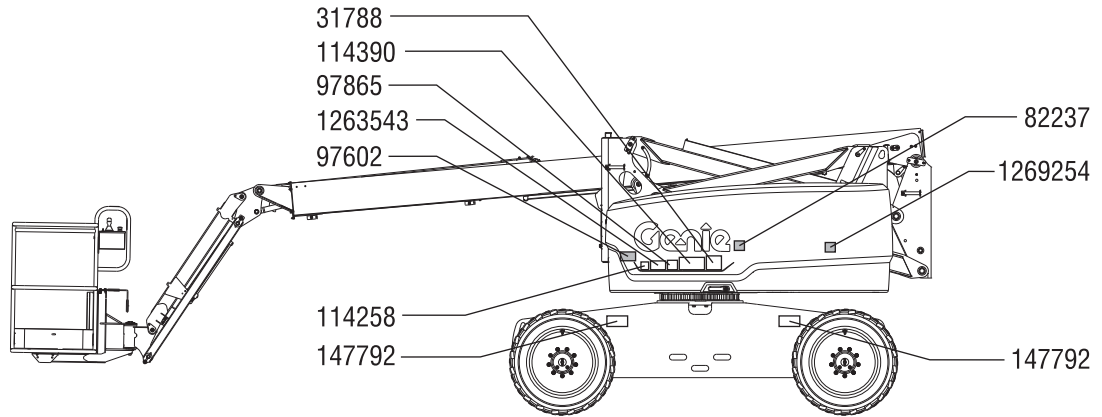
Tip-over Hazard
Altering or disabling limit switches can result in machine tip-over. Machine tip-over will result in death or serious injury.

Do not alter or disable limit switch(es).



General Safety

Z-60/37FE



31060

⚠ DANGER

Tip-over Hazard
 Moving or allowing the machine to move for machine control, lift or lowering may result in death or serious injury.

Do not lift or disassemble (see 31060).

31788

⚠ DANGER

Reduction in Capacity
 Do not use the machine if the load capacity is reduced. Do not use the machine if the load capacity is reduced.

Do not use the machine if the load capacity is reduced. Do not use the machine if the load capacity is reduced.

1263543

⚠ WARNING

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

Access by trained and authorized personnel only.

114390

⚠ DANGER

Electric Shock Hazard
 Do not touch the electrical components. Do not touch the electrical components.

| Component | Weight |
|------------------|----------------|
| Platform | 100 kg |
| Scissors | 100 kg |
| Hydraulic System | 100 kg |
| Motor | 100 kg |
| Batteries | 100 kg |
| Chassis | 100 kg |
| Wheels | 100 kg |
| Controls | 100 kg |
| Other | 100 kg |
| Total | 1000 kg |

1269254

⚠ DANGER

Tip-over Hazard
 Failure to adjust batteries with proper weight batteries will cause death or serious injury.

Batteries are used as counterweight and are critical to machine stability. Each battery must weigh a minimum of 107 lbs (48 kg). Battery box including batteries must weigh a minimum of 1,025 lbs / 465 kg.

82237

⚠ DANGER

Electrocution Hazard
 Contact with energized components can result in death or serious injury.

Avoid contact with energized components.

147792

⚠ DANGER

Tip-over Hazard
 Do not use air-filled tires.

This machine is equipped with foam-filled tires. Wheel weight is critical to stability.

97865

⚠ WARNING

Electrocution/Burn Hazard
 Failure to disconnect the batteries before performing service on this machine may result in death or serious injury.

Disconnect all the batteries before performing service on this machine.

114258

⚠ DANGER

Burn Hazard
 Fuel and fumes can explode and burn.

No smoking. No flame. Stop engine.

97602

⚠ WARNING

Explosion Hazard
 Do not use the machine in an area with an explosive atmosphere.

218559

⚠ CAUTION

Do not use the machine if the load capacity is reduced.

1269257

⚠ WARNING

Platform Overload
 Do not exceed the platform load capacity.

218550

⚠ DANGER

| Maximum Capacity | Maximum Capacity | Maximum Capacity |
|------------------|------------------|------------------|
| 200 lbs (90 kg) | 200 lbs (90 kg) | 200 lbs (90 kg) |
| 200 lbs (90 kg) | 200 lbs (90 kg) | 200 lbs (90 kg) |
| 200 lbs (90 kg) | 200 lbs (90 kg) | 200 lbs (90 kg) |

114390

⚠ DANGER

Electric Shock Hazard
 Do not touch the electrical components.

114397

⚠ DANGER

Tip-over Hazard
 Do not use the machine if the load capacity is reduced.

219487

⚠ DANGER

Platform Overload
 Do not exceed the platform load capacity.

28236

⚠ WARNING

Do not use the machine if the load capacity is reduced.



Personal Safety

Personal Fall Protection

Personal fall protection equipment (PFPE) is required when operating this machine.

Occupants must wear a safety belt or harness in accordance with governmental regulations. Attach the lanyard to the anchor provided in the platform.

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

All PFPE must comply with applicable governmental regulations, and must be inspected and used in accordance with the PFPE 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 | 3.05 m |
| 50 to 200KV | 4.60 m |
| 200 to 350KV | 6.10 m |
| 350 to 500KV | 7.62 m |
| 500 to 750KV | 10.67 m |
| 750 to 1000KV | 13.72 m |

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



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

Do not operate the machine during lightning or storms.

Do not use the machine as a ground for welding.

⚠ Tip-over Hazards

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

| | |
|----------------------------------|--------|
| Maximum platform capacity | 227 kg |
| Maximum occupants | 2 |

The weight of options and accessories, such as pipe cradles, panel cradles and welders, 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



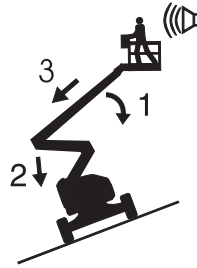
Do not raise or extend the boom unless the machine is on a firm, level surface.



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

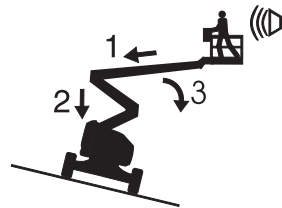
If the tilt alarm sounds while the boom is lowered: Do not extend, rotate or raise the boom above horizontal. Move the machine to a firm, level surface before raising the platform.

If the tilt alarm sounds when the platform is raised, use extreme caution. The Machine Not Level indicator light will come on and the drive function in one or both directions will not operate. Identify the condition of the boom on the slope as shown in the tilt alarm procedure. Follow the steps to lower the boom before moving to a firm, level surface. Do not rotate the boom while lowering.



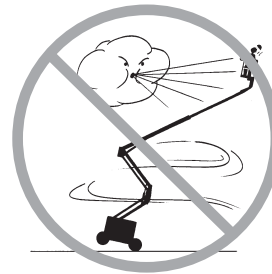
If the tilt alarm sounds with the platform uphill:

- 1 Lower the primary boom.
- 2 Lower the secondary boom.
- 3 Retract the primary boom.



If the tilt alarm sounds with the platform downhill:

- 1 Retract the primary boom.
- 2 Lower the secondary boom.
- 3 Lower the primary boom.



Do not raise the boom when wind speeds may exceed 12.5 m/s. If wind speeds exceed 12.5 m/s when the boom is raised, lower the boom 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.

Work Area Safety



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 boom raised or extended.

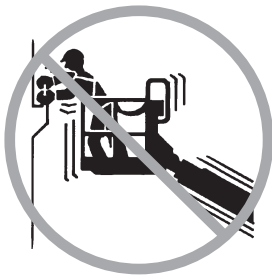
Do not use the machine as a crane.

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

Do not contact adjacent structures with the boom.

Do not tie the boom or platform to adjacent structures.

Do not place loads outside the platform perimeter.



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

**Maximum allowable
manual force – 400 N**

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 replace factory-installed tires with tires of different specification or ply rating.

Do not replace factory-installed foam-filled tires with air-filled tires. Wheel weight is critical to stability.

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 modify or alter an aerial work platform without prior written permission from the manufacturer. Mounting attachments for holding tools or other materials onto the platform, toeboards or guard rail system can increase the weight in the platform and the surface area of the platform or the load.

Work Area Safety



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 the tires are in good condition and the lug nuts tightened.

⚠ Operation on Slopes Hazards

Do not drive the machine on a slope that exceeds the maximum uphill, downhill or side slope rating of the machine. Slope rating applies only to machines in the stowed position.

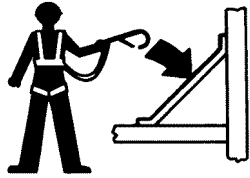
Maximum slope rating, stowed position, 4WD

| | | |
|-------------------|-----|-------|
| Platform downhill | 45% | (24°) |
| Platform uphill | 45% | (24°) |
| Side slope | 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.

Work Area Safety

⚠ Fall Hazards



Occupants must wear a safety belt or harness in accordance with governmental regulations. Attach the lanyard to the anchor provided in the platform.



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



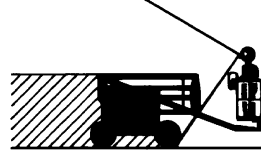
Do not climb down from the platform when raised.

Keep the platform floor clear of debris.

Lower the platform entry mid-rail or close the entry gate before operating.

Do not enter or exit the platform unless the machine is in the stowed position and the platform is at ground level.

⚠ Collision Hazards



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

Be aware of the boom position and tailswing when rotating the turntable.



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



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

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

Work Area Safety

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



Do not lower the primary boom or secondary boom 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.

Do not operate a boom in the path of any crane 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.

▲ 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.

When the engine is running, operate the machine in a well-ventilated area to avoid carbon monoxide poisoning.

▲ Explosion and Fire Hazards

Do not start the engine if you smell or detect diesel fuel or other explosive substances.

Do not refuel the machine with the engine running.

Refuel the machine and charge the batteries only in an open, well-ventilated area away from sparks, flames and lighted tobacco.

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

Do not spray ether into engine.

Work Area Safety

⚠ 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 the machine as a ground for welding.

Do not use any battery or charger greater than 12V to jump-start the engine.

Do not operate the machine in locations where extremely high magnetic fields may be present.

⚠ Battery Safety

Burn Hazards

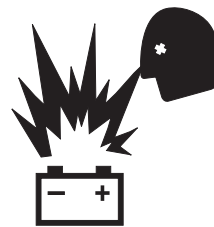


Batteries contain acid. Always wear protective clothing and eye wear when working with batteries.

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 pack covers should remain open during the entire charging cycle.



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

