



Operator's Manual

Serial Number Range

GRTM-12
GRTM-15
GRTM-20

from GRP-60000
from GRR-10001

ANSI/CSA
North America
South America
Asia

with
Maintenance
Information

Original Instructions
Sixth Edition
Second Printing
Part No. 1297723GT

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General Safety


44736

▲ DANGER


Tip-over Hazard
If tilt-alarm sounds, unit is on a severe slope. Death or serious injury could occur.



1 Lower the platform.




2 Move the machine to level surface.



1294635

▲ DANGER


Platform Overload LED Indicator Light

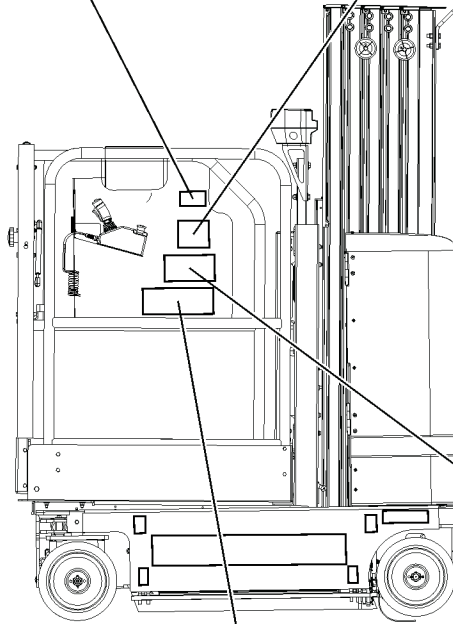


A flashing OL on the LED diagnostic readout indicates the platform is overloaded. No functions will operate and an alarm will sound.

- 1 Push in the Red E in emergency stop buttons to the up position.
- 2 Remove weight from the platform.
- 3 Pull out the Red E in emergency. Stop buttons to the up position.

Tip-over Hazard
Do not overload platform. Platform over load will result in death or serious injury.





1293165

▲ DANGER

Tip-over Hazard
Tipping over this machine will result in death or serious injury.



Do not use on uneven or wet, slippery, or on a 3° tilt, level surface.

▲ WARNING


Fall Hazard
Falling from this lift can result in death or serious injury.



Do not sit, stand or slide on the platform. Maintain firm footing engaged at all times.

▲ WARNING

Death Hazard
Contact with overhead obstructions could result in death or serious injury.



Keep away from overhead obstructions or other possible hazards.

▲ DANGER	Indoor	Maximum allowable wind speed: 0 mph / 0 m/sec	Maximum allowable side force: 45 lbs / 200 N	Maximum capacity: 300 lbs / 159 kg Occupants and equipment must not exceed 350 lbs / 159 kg Maximum occupants: 1	Platform extended Main deck: 100 lbs / 45 kg extension deck: 250 lbs / 113 kg
	Outdoor	Maximum allowable wind speed: 28 mph / 12.5 m/sec	Maximum allowable side force: 45 lbs / 200 N	Maximum capacity: 350 lbs / 159 kg Occupants and equipment must not exceed 350 lbs / 159 kg Maximum occupants: 1	Platform extended Main deck: 100 lbs / 45 kg extension deck: 250 lbs / 113 kg

*1296619 GR-20

▲ DANGER	Indoor	Maximum allowable wind speed: 0 mph / 0 m/sec	Maximum allowable side force: 45 lbs / 200 N	Maximum capacity: 500 lbs / 227 kg Occupants and equipment must not exceed 500 lbs / 227 kg Maximum occupants: 1	Platform extended Main deck: 250 lbs / 114 kg extension deck: 250 lbs / 113 kg
	Outdoor	Maximum allowable wind speed: 28 mph / 12.5 m/sec	Maximum allowable side force: 45 lbs / 200 N	Maximum capacity: 500 lbs / 227 kg Occupants and equipment must not exceed 500 lbs / 227 kg Maximum occupants: 1	Platform extended Main deck: 250 lbs / 114 kg extension deck: 250 lbs / 113 kg

*1296621 GR-12 & GR-15



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.

Inspections

Test Auxiliary Lowering

- 18 Activate the up function by pressing the lift enable button and platform up button, and raise the platform approximately 2 ft. / 60 cm.
- 19 Pull the auxiliary lowering knob located at the base of the machine below the mast.
- ⊙ Result: The platform should lower. The descent alarm will not sound.

Test the Tilt Sensor Operation

- 20 Press the ground control down button (button 3) 
- ⊙ Result: The ground control LCD screen will display the status of the tilt sensor. The X and Y values (pitch and roll) will be displayed.
- 21 Turn the key switch to platform control.

At the Platform Controls

Test Emergency Stop

- 22 Push in the platform red Emergency Stop button to the off position.
- ⊙ Result: No functions should operate.

Test the Horn

- 23 Pull out the red Emergency Stop button to the on position.
- 24 Press the horn button.
- ⊙ Result: The platform alarm, chassis alarm, and automotive horn (if equipped) should sound.

Test the Function Enable Switch and the Up/Down Functions

- 25 Press the outdoor use button.
- ⊙ Result: The outdoor use button should illuminate.
- 26 Do not hold the function enable switch on the control handle.
- 27 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.
- 28 Press the lift function button.
- 29 Wait seven seconds for the lift function to time out.
- 30 Slowly move the control handle in the direction indicated by the blue arrow, then in the direction indicated by the yellow arrow.
- ⊙ Result: The lift function should not operate.
- 31 Press the lift function button.
- 32 Press and hold the function enable switch on the control handle. Slowly move the control handle in the direction indicated by the blue arrow.
- ⊙ Result: The platform should raise. The pothole guards should deploy.
- 33 Release the control handle.
- ⊙ Result: The platform should stop raising.
- 34 Press and hold the function enable switch on the control handle. 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.

Operating Instructions



Do Not Operate Unless:

- You learn and practice the principles of safe machine operation contained in this operator's manual.
 - 1 Avoid hazardous situations.
 - 2 Always perform a pre-operation inspection.
 - 3 Always perform function tests prior to use.
 - 4 Inspect the workplace.
 - 5 **Only use the machine as it was intended.**

Fundamentals

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

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

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

Transport and Lifting Instructions



Observe and Obey:

- ☑ Genie provides this securement information as a recommendation. Drivers are solely responsible for making sure machines are properly secured and the correct trailer is selected pursuant to US Department of Transportation regulations, other localized regulations, and their company policy.
- ☑ Genie customers needing to containerize any lift or Genie product should source a qualified freight forwarder with expertise in preparing, loading and securing construction and lifting equipment for international shipment.
- ☑ Only qualified mobile elevating work platform operators should move the machine on or off the truck.
- ☑ The transport vehicle must be parked on a level surface.
- ☑ The transport vehicle must be secured to prevent rolling while the machine is being loaded.
- ☑ Be sure the vehicle capacity, loading surfaces and chains or straps are sufficient to withstand the machine weight. Genie lifts are very heavy relative to their size. See the serial label for the machine weight. See the inspections section for the serial label location.
- ☑ The machine must be on a level surface or secured before releasing the brakes.
- ☑ Do not drive the machine on a slope that exceeds the uphill, downhill or side slope rating. See Driving on a Slope in the Operating Instructions section.
- ☑ If the slope of the transport vehicle bed exceeds the uphill or downhill maximum slope rating, the machine must be loaded and unloaded using a winch or forklift as described in the brake release operation. See the Specifications section for the slope ratings.

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