



OPERATOR'S INSTRUCTIONS 12' MATERIAL LIFT



SCAN FOR COMPLETE OPERATOR'S MANUAL
(MOBILE DEVICE WITH QUICK RESPONSE CODE APPLICATION REQUIRED)

ALWAYS BEWARE OF TIP OVER HAZARDS SUCH AS, BUT NOT LIMITED TO, UNLEVEL SURFACES, WIND,
AND LOAD CAPACITY. PLEASE CALL 918-744-8353 WITH ANY QUESTIONS OR CONCERNS

Function Tests



Do Not Operate Unless:

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

Fundamentals

The function tests are designed to discover any malfunctions before the machine is put into service. The operator must follow the step-by-step instructions to test all machine functions.

A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

After repairs are completed, the operator must perform a pre-operation inspection and function tests again before putting the machine into service.

FUNCTION TESTS

Function Tests

- 1 Select a test area that is firm, level and free of obstructions.

Setup

Machines Without Stabilizers

- 1 Remove the leg retainer pin and lower the leg to the down position. Insert the pin through the leg and base.



Machines With Stabilizers

- 1 Push down to release the stabilizer lock plates and lower the stabilizers until the casters are in full contact with the ground. Be sure the stabilizers are locked in the down position.
- 2 Remove the leg retainer pin and lower the leg to the down position. Insert the pin through the leg and base.



Load Handling Attachments

Standard Forks and Standard Fork Options

- 1 Place the forks inside the carriage.
- 2 Insert the retaining pin.



Load Platform with Standard Forks

- 1 Place the load platform securely on the standard forks.

Pipe Cradle

- 1 Attach the pipe cradles to the forks. Be sure the fasteners are tightened.

Fork Extension

- 1 Slide each extension tube onto the fork.
- 2 Adjust to the desired position and insert the retaining pins.

OPERATING INSTRUCTIONS

Setup

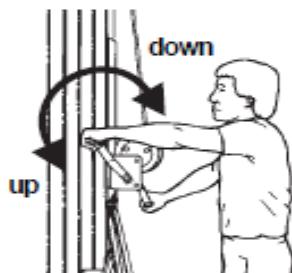
Select an area that is firm, level and free of obstructions.

Follow the Setup procedures in the Function Tests section.

Raising and Lowering Load

- 1 Center the load on the load handling attachment. See Load Capacity Charts section.
- 2 Make sure the load is properly secured to the load handling attachment.

- 3 Raise the load by firmly grasping the winch handles and rotating them toward the mast. Do not allow the cable to wind unevenly onto the drum.



- 4 Lower the load by firmly grasping the winch handles and rotating them away from the mast. After lowering to the desired position, turn the winch handles toward the mast (raise the load) 1/4 turn to set the brake.

Moving Machine with a Load

It is best to move the machine on the worksite with no load. Moving a raised load should be restricted to positioning for loading and unloading. If it is necessary to move the machine with a raised load, understand and obey the following safety rules:

- Make sure the area is level and clear of obstructions.
- Make sure the load is centered on the load handling attachment.
- Make sure the load is secured to the load handling attachment.
- Avoid sudden starts and stops.
- Travel with the load in the lowest possible position.
- Keep personnel away from the machine and load.

After Each Use

To prepare the machine for storage, follow the Setup procedure in reverse order.

Select a safe storage location - firm level surface, weather protected, clear of obstruction and traffic.

Load Capacity Charts



Observe and Obey:

- ☑ Failure to properly position the load may result in death or serious injury.
- ☑ Verify that the load you wish to raise does not exceed the maximum load for your load center. See Load Capacity Chart section.

⚠WARNING Tip-over hazard. Raising a load that exceeds the machine's capacity may result in death or serious injury.

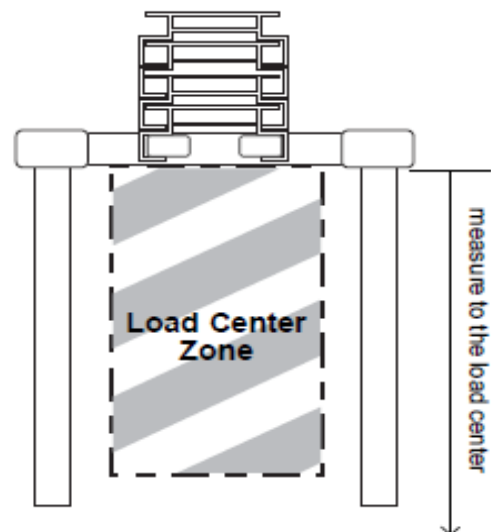
- ☑ A load center is defined as the balancing point (center of gravity) of a load and must be positioned within the load center zone.

⚠WARNING Tip-over hazard. Failure to position the load center within the load center zone may result in death or serious injury.

Forks

Load Positioning Instructions

- 1 Determine the weight of the load and the location of its load center.
- 2 Measure to the load center from the side of the load that will be closest to the carriage.
- 3 Refer to the chart on the next page to determine if the machine is capable of lifting the weight at the location on the forks.
- 4 Place the load so that it rests on the forks, as close to the carriage as possible.
- 5 Position the load so that the load center is within the load center zone.
- 6 Secure the load to the forks.



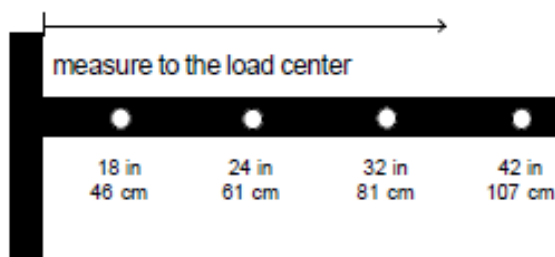
See the chart on the next page for maximum load centers for standard forks and adjustable forks.

LOAD CAPACITY CHARTS

Boom

Load Positioning Instructions

- 1 Determine the weight of the load and the location of its load center.
- 2 Refer to the chart below to determine if the machine is capable of lifting the weight at the location on the boom.
- 3 Secure the load to the lifting shackle on the boom.



Maximum Load Centers

(measure from the front of the carriage)

Standard Forks	24 in	61 cm
Adjustable Forks	24 in	61 cm
Boom	42 in	107 cm
Load Platform	24 in	61 cm
Pipe Cradle	18 in	46 cm
Fork Extensions	42 in	107 cm

Load Capacity Chart																
Load Center																
inches		14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
cm		36	41	46	51	56	61	66	71	76	81	86	91	97	102	107
Model																
SLC-8	lbs	650	610	565	515	470	425	385	350	315	285	260	235	215	195	180
	kg	295	277	256	234	213	193	175	159	143	129	118	107	98	89	82
SLC-12	lbs	650	610	565	515	470	425	385	350	315	285	260	235	215	195	180
	kg	295	277	256	234	213	193	175	159	143	129	118	107	98	89	82
SLC-18	lbs	650	610	565	515	470	425	385	345	310	275	250	225	200	180	180
	kg	295	277	256	234	213	193	175	157	141	125	113	102	91	82	73
SLC-24	lbs	650	610	565	515	470	425	385	345	310	275	250	225	200	180	180
	kg	295	277	256	234	213	193	175	157	141	125	113	102	91	82	73

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SAFETY RULES

Fall Hazards

- Do not use as a personnel lifting platform or step.
- Do not stand on the load handling attachments.
- Do not climb on the mast.

Tip-over Hazards

Do not raise the load unless the stabilizers (if equipped) and legs have been fully lowered and locked and the casters are in full contact with the ground.

Do not raise the load unless the leg retainer pins are properly inserted through the leg and the base.

Do not remove the leg retainer pins while the machine is loaded and/or raised.

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



Prior to use, check the work area for drop-offs, holes, bumps, debris, unstable or slippery surfaces or other possible hazardous conditions.

Do not raise the load unless the load handling attachment is properly secured to the machine.

Do not use blocks to level the machine.

Do not move the machine with a raised load, except for minor positioning.

Do not operate the machine in strong or gusty winds. Increasing the load surface area will decrease machine stability in windy conditions.



Do not leave a load raised when windy conditions may occur unless the machine(s) are properly guy-wired.

Do not exceed the rated load capacity. See Load Capacity Charts section.

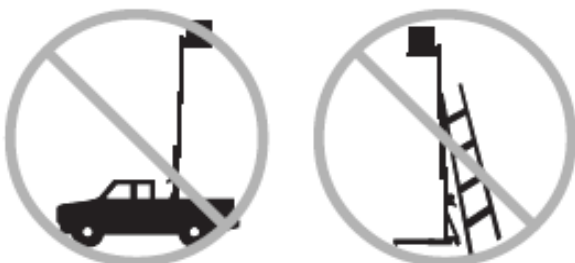
Avoid debris and uneven surfaces while rolling a machine with the legs folded up.

Do not replace machine parts critical to stability or structure with items of different weight or specification.

Do not cause a horizontal force or side load to the machine by raising or lowering a fixed or overhanging load.

SAFETY RULES

Do not place ladders or scaffolding against any part of the machine.



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

Collision Hazards



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

Do not tilt the machine back unless the area is clear of personnel and obstructions.

Use common sense and planning when transporting the machine on an incline or slope.

Do not load for transport unless the machine and vehicle are on a level surface. Use proper lifting techniques to load the machine.

Lifting Hazards

Use proper lifting techniques to load or tip the machine.

Use proper lifting techniques when installing or removing the load handling attachments.

Electrocution Hazards

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



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

Maintain safe distances away from electrical power lines and apparatus in accordance with applicable governmental regulations and the following chart.

Voltage	Minimum Safe Approach Distance	
	Feet	Meters
Phase to Phase		
0 to 300V	Avoid Contact	
300V to 50KV	10	3.1
50KV to 200KV	15	4.6
200KV to 350KV	20	6.1
350KV to 500KV	25	7.6
500KV to 750KV	35	10.7
750KV to 1000KV	45	13.7

Allow for mast movement and electrical line sway or sag, and be aware of strong or gusty winds.

Do not use the machine as a ground for welding.

SAFETY RULES

Crushing Hazards

Keep hands and fingers away from folding legs and other potential pinch points.

Do not raise if the load is not properly centered on the load handling attachment.

Do not raise unless the load is properly secured to the load handling attachment.

Do not stand under or allow personnel under the machine when the load is raised.

Do not lower the load unless the area below is clear of personnel and obstructions.



Do not stand under the load. The safety brake system (if equipped) will allow the load to drop 1 to 3 feet / 30 to 91 cm before locking the columns.

Maintain a firm grasp on the stabilizer when the lock plates are released. The stabilizer will drop.

Maintain a firm grasp on the leg when the retaining pin is removed. The leg will drop.

Maintain a firm grasp on the winch handles until the brake is locked. The brake is locked when the load will not cause the winch handles to turn.

Damaged Machine Hazards



Do not use a damaged or malfunctioning machine.

Do not use a machine with a worn, frayed, kinked or damaged cable.

Do not use a machine with less than four wraps of cable on the winch drum when the carriage is fully lowered.



Conduct a thorough pre-operation inspection prior to each use.

Be sure all decals are in place and legible.

Be sure the operator's manual is complete, legible and in the storage container located on the machine.

Maintain proper lubrication on the winch. See *Genie Superlift Contractor Parts and Service Manual* for details. Do not allow oil or grease on braking surfaces.

Do not use any type of lubrication on the column surfaces.

Bodily Injury Hazard

Do not grasp the cable.

Improper Use Hazard

Never leave a machine unattended with a load. Unauthorized personnel may attempt to operate the machine without proper instruction, creating an unsafe condition.

Transport and Lifting Instructions



Observe and Obey:

- ☑ The transport vehicle must be parked on a level surface.
- ☑ The transport vehicle must be secured to prevent rolling while the machine is being loaded.
- ☑ Be sure the vehicle capacity, loading surfaces and chains or straps are sufficient to withstand the machine weight. See the serial plate for machine weight.
- ☑ The machine must be secured to the transport vehicle with chains or straps of ample load capacity.

Loading the Machine

Be sure to remove the load handling attachment from the machine and place the stabilizers in the stored position.

- 1 Fully lower the carriage, to lock for transport.
- 2 Rotate the carriage hold-down bar over the carriage.
- 3 Raise the carriage until it contacts the carriage hold-down bar.
- 4 Adjust the loading wheels to the desired position. Be sure the pin is properly inserted.

- 5 Lock the rear base casters.



- 6 Place the machine against the vehicle. Use proper lifting techniques to load the machine into the transport vehicle. Be sure to check that the carriage is locked in the lowered position.



- 7 Use a minimum of 1 chain or strap to secure the machine to the truckbed. Place the chain or strap over the mast. Placing the chain or strap over the legs can damage the legs.



- 8 To unload, follow the loading instructions in reverse order.

Loading Machine with a Crane

Be sure to place the legs and stabilizers in the stored position.

Be sure to inspect the machine and remove any loose or unsecured items.

Use the lifting bracket on the top of the rear mast column.

Always place the lifting hook through the lifting bracket so that it points away from the machine.