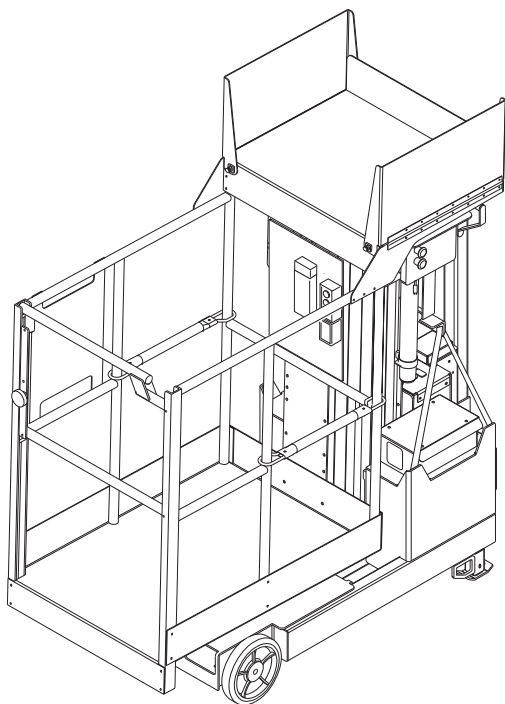


Genie Industries



Genie Stock Picker **S**^{UPER}_{ERIES}

Operator's Manual



First Edition, First Printing
Part No. 37173



Genie StockPicker[®] SUPER[®] SERIES

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.

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Genie Industries

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Safety Rules



Danger

Failure to obey the instructions and safety rules in this manual will cause 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 the 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—operator's manual and machine decals
 - employer's safety rules and worksite regulations
 - applicable governmental regulations

- ☒ The first time this machine is set up for use, a breather cap is installed (see *Breather Cap*, page 8).

SAFETY RULES

Tip-over Hazards



Do not operate the steer handle while the platform is occupied or raised.

Do not move the machine while the platform is raised.

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

machine is intended for use on level surfaces only.

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

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



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

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



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

Do not raise platform in strong or gusty winds.



Do not exceed rated lift capacity.

Do not exceed the rated platform capacity or the material storage compartment capacity.

Maximum capacity - all models

Machine lift capacity	500 lbs	227 kg
Platform capacity	400 lbs	181 kg
Material storage compartment capacity	150 lbs	150 kg

Maximum occupancy 1 person

Do not operate machine near drop-offs, holes, bumps, debris, unstable or slippery surface or other possible hazardous conditions.

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

Do not replace items critical to stability with items of different weight or specification. Use only Genie authorized replacement parts.

When moving the machine with a forklift or other transport vehicle, platform should be fully lowered, machine should be turned off and no personnel or material shall remain in platform.

SAFETY RULES

Fall Hazards

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

Do not sit, stand or climb in or on the material storage compartment.

Do not exit platform while raised. If a power failure occurs, have ground personnel activate manual lowering valve.

Keep platform floor clear of debris.

Lower platform entry mid-rail or gate before operating.



Maintain safe distances 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	3.05
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

Electrocution Hazards

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



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

Allow for platform movement, electrical line sway or sag and movement due to strong or gusty winds.

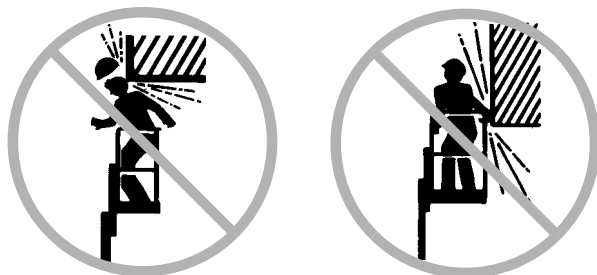
Do not use machine as a ground for welding.

Do not operate AC powered machine or DC battery charger unless using a 3-wire grounded extension cord connected to a grounded AC circuit. Do not alter or disable 3-wire grounded plugs.

SAFETY RULES

Collision Hazards

Check work area for overhead obstructions or other possible hazards.



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

Be aware of collision hazard when transporting loads that exceed the width of the upper storage compartment.



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

Be careful when transporting on incline.

Stay clear of descending platform.

Bodily Injury Hazard

When moving the machine on an incline, operate the machine from the uphill side.

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 Use Hazard

Do not leave machine unattended unless key is removed to secure from unauthorized use.

Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Conduct a thorough pre-operation inspection of 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 CWP Super Series & Genie Stockpicker Super Series Service Manual*.

Be sure all decals are in place and legible.

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

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 personal injury or damage to the machine.

NOTICE

Green—used to indicate operation or maintenance information.

SAFETY RULES

Battery and Charger Safety - DC Models

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.

Electrocution Hazards



Connect charger to a grounded AC circuit only.

Do not expose battery or charger to water and/or rain.

Before each use, inspect for damage. Replace damaged components before operating.

Lifting Hazard

Battery weighs 50 lbs (23 kg). Use the proper lifting techniques when lifting the battery.

Explosion Hazards



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

Charge batteries in a well-ventilated area.

Do not disconnect battery cables from battery when charger is on.

Power Wheel Assist Option Safety

Collision Hazards

Limit travel speed according to condition of ground surface, congestion, slope, location of personnel and any other factors which may cause collision.

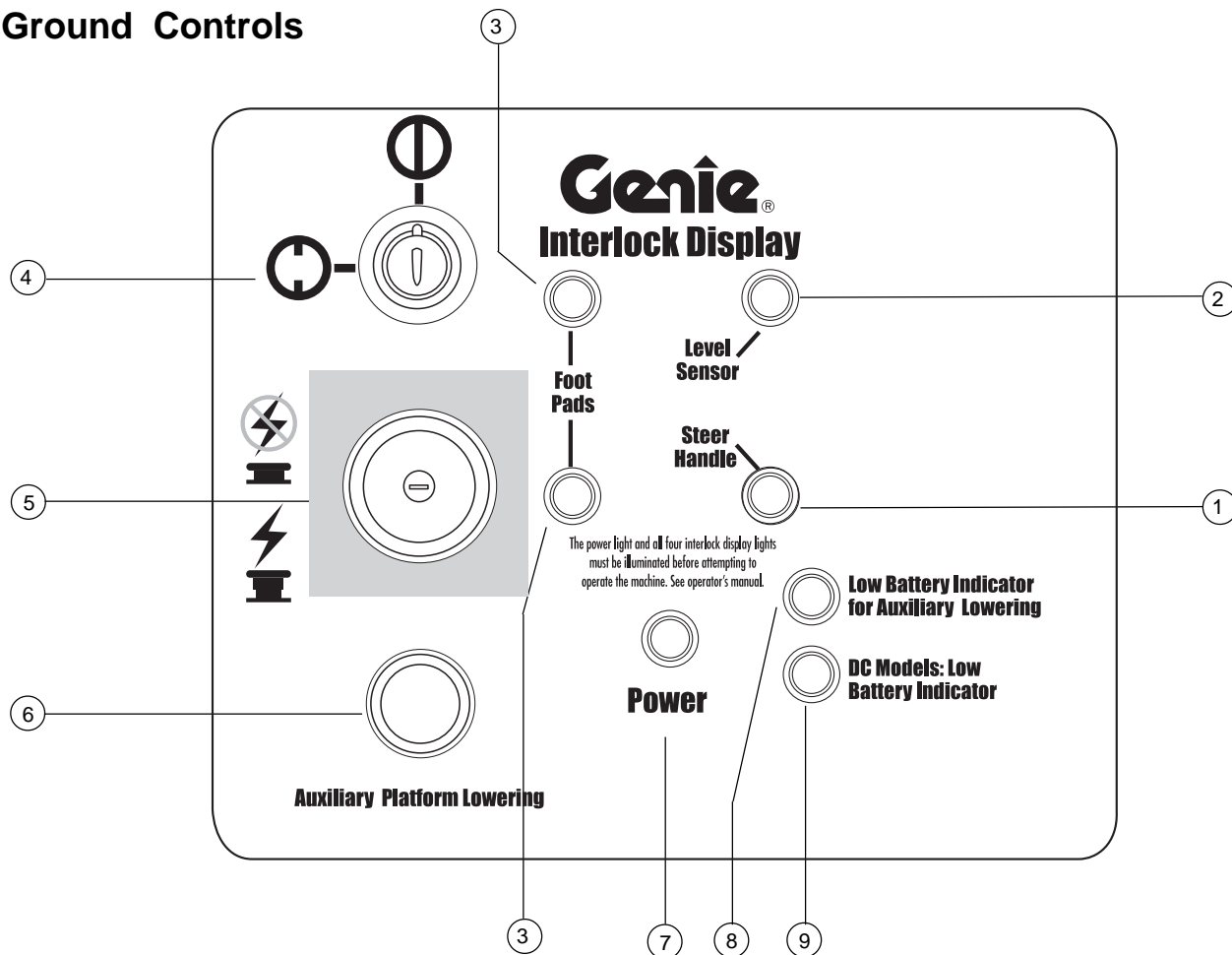
Be aware of limited sight distance when moving machine.

Do not move the machine with the platform raised.

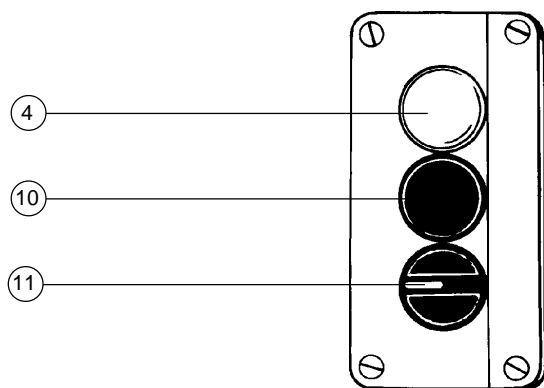
When moving the machine on an incline, operate the machine from the uphill side.

Controls

Ground Controls

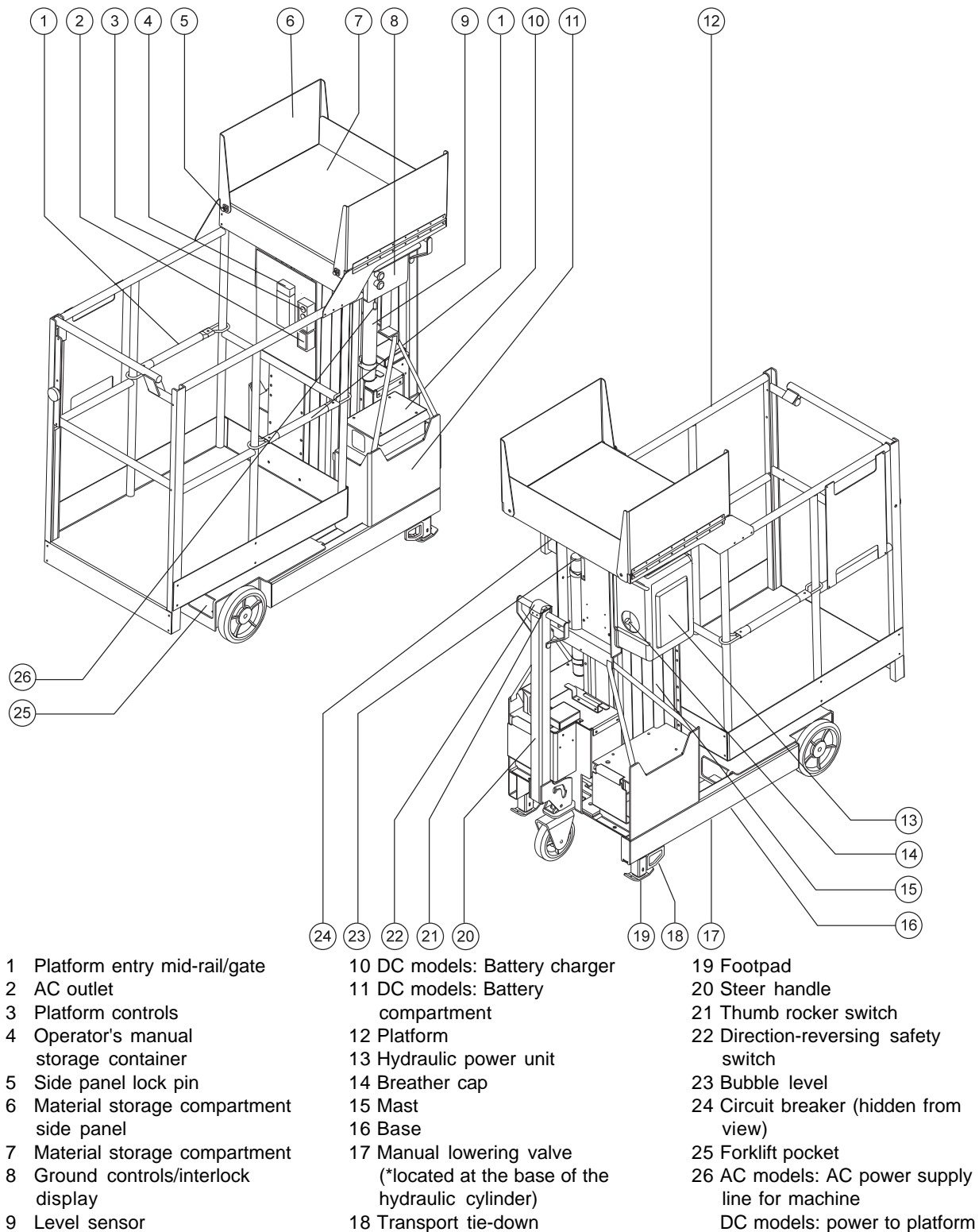


Platform Controls



- 1 Steer handle locked in stowed position indicator light
- 2 Level sensor indicator light
- 3 Foot pad indicator lights
- 4 Key switch
- 5 Emergency stop button
- 6 Auxiliary platform lowering button
- 7 Power light
- 8 Low battery indicator light for auxiliary lowering
- 9 DC models: Low battery indicator light
- 10 Control activate button
- 11 Up/Down switch

Legend



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 the function tests prior to use.
 - 4 Inspect the work place.
 - 5 Only use the machine as it was intended.

Fundamentals

The Pre-operation Inspection is a visual inspection performed by the operator prior to each work shift. This inspection is designed to discover if anything is apparently wrong with a machine before the operator performs the function tests.

Inspect the machine for modifications, damage or loose or missing parts.

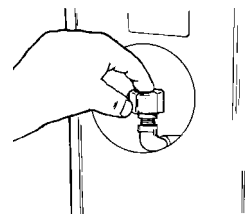
A damaged or modified machine must never be used. If damage or any variation from factory delivered condition is discovered, the machine must be tagged and removed from service.

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 testing functions.

Breather Cap

Component damage will occur if the machine is operated without a breather cap.

The first time this machine is set up for use, the pipe plug in the hydraulic reservoir should be removed and permanently replaced with a breather cap.



A breather cap is supplied and can be found in an envelope taped to the mast near the platform controls.

PRE-OPERATION INSPECTION

Pre-operation Inspection

- ☐ Be sure that the operator's manual is complete, legible and in the storage container located in the platform.
- ☐ Be sure that all the decals are legible and in place (see Decals, page 18).
- ☐ Check the hydraulic oil level. Check for leaks.

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

- ☐ Electrical components, wiring and electrical cables
- ☐ Hydraulic power unit, hoses, fittings and cylinder
- ☐ Platform entry mid-rails and gate
- ☐ Material storage compartment
- ☐ Sequencing cables and pulleys
- ☐ Lifting chains and idler wheels
- ☐ Nuts, bolts and other fasteners
- ☐ Mast columns
- ☐ Breather cap
- ☐ Foot pads
- ☐ Steer handle
- ☐ Adjustable glide pads

If equipped: Power wheel assist option

- ☐ Steer handle
- ☐ Hydraulic motor and hoses

Check entire machine for:

- ☐ Dents or damage
- ☐ Corrosion or oxidation
- ☐ Cracks in welds or structural components
- ☐ Inspect and clean the battery terminals and all battery cable connections.
- ☐ Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.

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 the 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

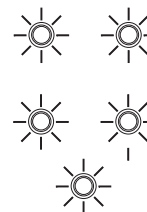
The Function Tests are designed to discover any malfunctions before the machine is put into service. The operator must follow the step-by-step instructions to test all machine functions.

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 manufacturers specifications.

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

Function Tests

- 1 Lift the base with the steer handle.
- 2 Use the steer handle to push the machine.
- 3 Position machine on a firm, level surface directly below desired work area.
- 4 Lower the base with the steer handle.
- ⦿ Result: Be sure the steer handle locks in the stowed position.
- 5 Connect to appropriate power source:
DC models: Connect battery pack.
AC models: Connect to a grounded 15A AC power supply. Use a 12 gauge (3.3mm²) 3-wire grounded extension cord no longer than 50 feet (13 m).
- 6 Turn the key switch to the ON position.
- 7 Pull out the red Emergency Stop button to the ON position.
- ⦿ Result: The power light should come on.
- 8 Check the interlock display lights at the ground controls. If the base is level and the steer handle is in the stowed position, all four interlock display lights should be on.



Test the Handle

- 9 Raise the platform 6 to 8 inches (15 to 20 cm).
- 10 Attempt to raise the base with the steer handle.
- ⦿ Result: The base should **not** raise.

Test the Interlock System

- 11 Lower the platform.
- 12 Pull the steer handle 5 to 6 inches (13 to 16 cm) away from the machine.
- ⦿ Result: The steer handle interlock display light should be off.

FUNCTION TESTS

13 Raise the base with the steer handle.

- ☉ Result: All four interlock display lights should be off.

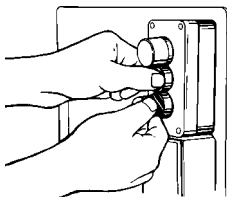
14 Place a 1/2 inch (1.2 cm) block under one of the foot pads.

15 Lower the base with the steer handle. Be sure the steer handle is in the stowed position.

- ☉ Result: The foot pad indicator lights and the steer handle indicator light should be on. The level sensor light should be off because the machine is not level.

16 Twist to release the red Emergency Stop button at the platform controls.

17 Push in the control activate button and rotate the up/down switch to the up position, then the down position.



- ☉ Result: Platform up function should not operate.

18 Raise the base and remove the block.

Test Emergency Stop

19 Twist to release the red Emergency Stop button at the platform controls.

20 Push in the red Emergency Stop button at the ground controls to the OFF position.

21 Push in the control activate button and rotate the up/down switch in the direction of intended travel.

- ☉ Result: Up/down function should **not** operate.

22 Push in the red Emergency Stop button at the platform controls to the OFF position.

23 Pull out the red Emergency Stop button at the ground controls to the ON position.

24 Push in the control activate button and rotate

the up/down switch in the direction of intended travel.

- ☉ Result: Up/down function should **not** operate.

Test Auxiliary Platform Lowering

25 Raise the platform slightly.

26 Disconnect the power source from the machine.

27 Push in the auxiliary platform lowering button at the ground controls.

- ☉ Result: Platform should descend.

28 Connect the power source to the machine.

29 Raise the platform slightly.

30 Disconnect the power source from the machine.

31 Push in the control activate button and rotate the up/down switch in the down direction.

- ☉ Result: Platform should descend.

32 Connect the power source to the machine.

Test Manual Lowering

33 Raise platform slightly.

34 Activate the manual lowering valve at the bottom of the hydraulic cylinder.

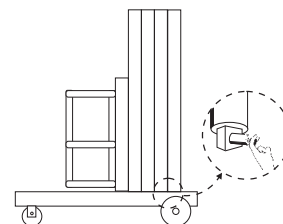
- ☉ Result: Platform should descend.

Test the Direction-reversing Safety Switch (models with Power Wheel Assist Option only)

35 Press the thumb rocker switch and drive the machine in the reverse direction.

36 Press the direction-reversing safety switch on the end of the steer handle.

- ☉ Result: The machine should travel in the forward direction.



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.

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

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.

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

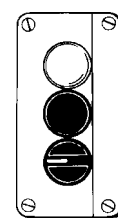
If more than one operator is expected to use a machine at different times in the same work shift, each operator is expected to follow all safety rules and instructions in the operator's manual. That means every new operator should perform a pre-operation inspection, function tests and a work place inspection before using the machine.

Setup

- 1 Lift the base with the steer handle.
- 2 Use the steer handle to push the machine.
- 3 Position machine on a firm, level surface directly below desired work area.
- 4 Lower the base with the steer handle.
- 5 Connect to appropriate power source:
DC models: Connect battery pack.
AC models: Connect to a grounded 15A AC power supply. Use a 12 gauge (3.3mm²) 3-wire grounded extension cord no longer than 50 feet (13 m).
- 6 Turn the key switch to the ON position.
- 7 Pull out the red Emergency Stop button to the ON position.
- 8 Check the interlock display lights at the ground controls. If the base is level and the steer handle is in the stowed position, all four interlock display lights should be on.

Emergency Stop

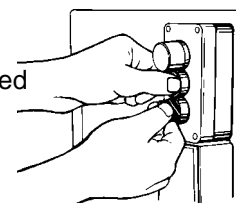
- 1 Push in the red Emergency Stop button at platform controls or at ground controls to stop all up functions.



Emergency Stop
Control Activate
Up/Down Switch

Platform Raise and Lower

- 1 Follow *Setup* procedure.
- 2 Twist to release the red Emergency Stop button.
- 3 Push in control activate button and rotate the up/down switch in the desired direction of travel.



OPERATING INSTRUCTIONS

Auxiliary Platform Lowering

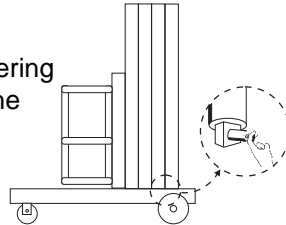
- 1 Push in the auxiliary platform lowering button at the ground controls.

Manual Lowering

- 1 Activate the manual lowering valve at the bottom of the hydraulic cylinder.

After Each Use

- 1 Select a safe storage location—firm, level surface, weather protected, clear of obstruction and traffic.
- 2 Lower the base to prevent machine from rolling.
- 3 Remove key to secure from unauthorized use.
- 4 DC models: Recharge battery.

**Power Wheel Assist Option
Operating Instructions**

- 1 Lower the steer handle.
- 2 Activate the thumb rocker switch in the desired direction of travel.
- 3 Release the thumb rocker switch. Machine will continue to roll when rocker switch is released.

OPERATING INSTRUCTIONS



Battery and Charger Instructions

Observe and Obey:

- ☒ Do not use external charger or booster battery.
- ☒ Charge battery in a well-ventilated area.
- ☒ Use proper AC input voltage for charging as indicated on charger.
- ☒ Use only Genie authorized battery and charger.
CSA applicable model:
Manual Lester charger 15840

To Charge Battery

- 1 Open the battery pack lid to access the battery.
- 2 Remove the battery vent caps and check the battery acid level. If necessary, add only enough distilled water to cover the plates. Do not overfill prior to the charge cycle.
- 3 Replace the battery vent caps.
- 4 Set the power switch to the OFF position. Be sure that the DC output cord is properly connected to the battery.
Black to negative, red to positive.
- 5 Connect the battery charger to a grounded AC circuit.
- 6 If equipped: Set the AC Selector switch to the proper voltage.
- 7 Set the power switch to the AUTO position.

- 8 Monitor the ampere meter for the correct charge rate. The initial charge rate should be approximately 10A. The charge rate will decrease as the battery reaches full charge.
- 9 The charger will turn off automatically when the battery is fully charged. Set the power switch to the OFF position, then disconnect from AC supply.
- 10 Check the battery acid level when the charge cycle is complete. Replenish with distilled water to the bottom of the fill tube. Do not overfill.

Dry Battery Filling and Charging Instructions

- 1 Remove battery vent caps and permanently remove plastic seal from battery vent openings.
- 2 Fill each cell with battery acid (electrolyte) until level is sufficient to cover plates.

Do not fill to maximum level until battery charge cycle is complete. Overfilling can cause the battery acid to overflow during charging. Neutralize battery acid spills with baking soda and water.

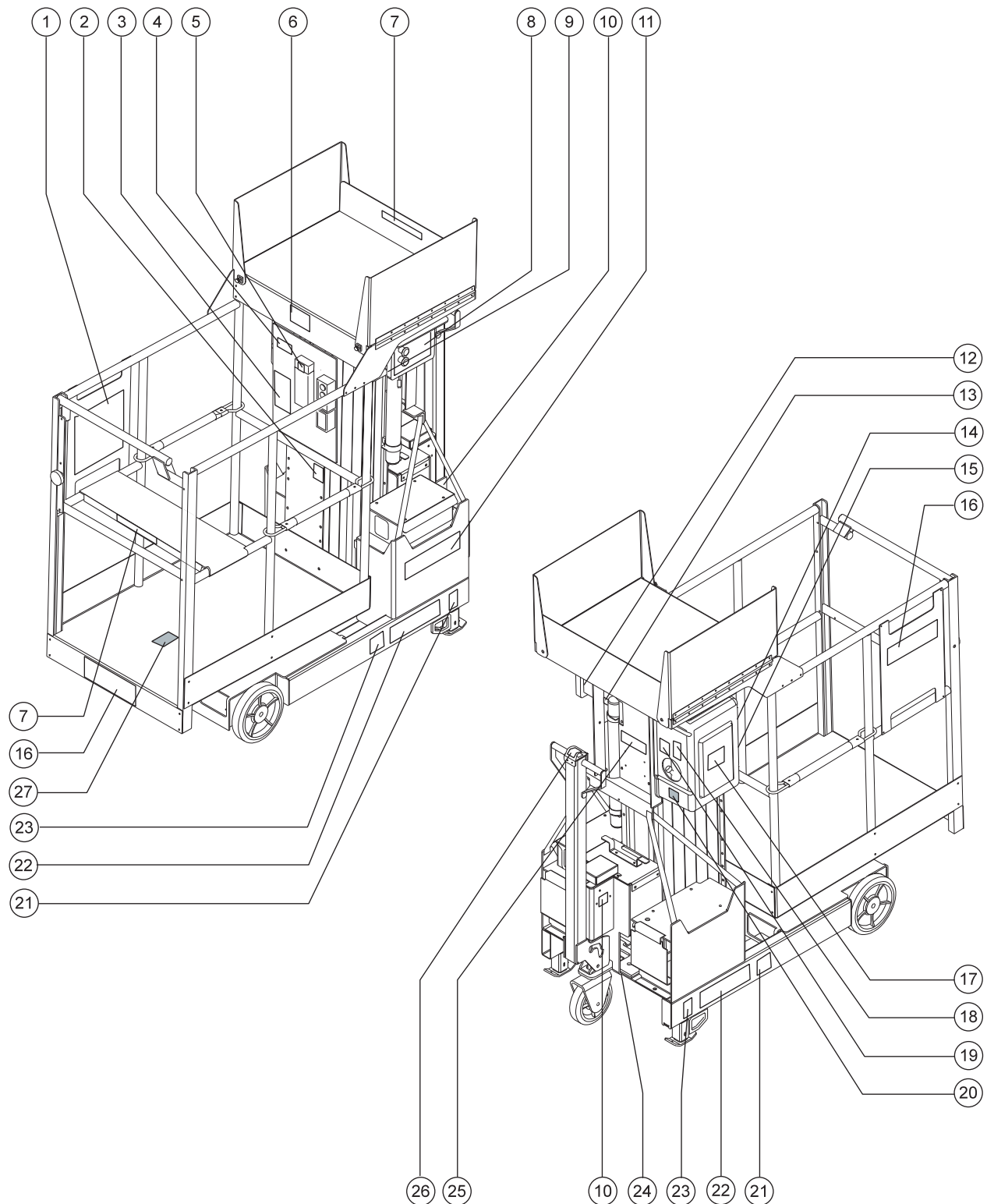
- 3 Install the battery vent caps.
- 4 Charge the battery.
- 5 Check the battery acid level when the charging cycle is complete. Replenish with distilled water to the bottom of the fill tube. Do not overfill.

Decals

Index	Part No. Decal Description	Quantity
1	38124 Danger - General Safety	1
2	31076 Caution - 8A Maximum, 115V AC	1
3	37155 Notice - Operating Instructions	1
4	28236 Warning - Failure to Read/Obey Manual	1
5	38122 Label - Operator's Manual Storage Container	1
6	38123 Notice - Maximum Capacity	1
7	38121 Warning - No Riders	3
8	37161 Label - Interlock Display	1
9	38149 Label - Patents	1
10	40530 Warning - Bodily Injury Hazard	2
11	31068 Danger - Battery Safety	1
12	38142 Label - Circuit Breaker	1
13	27865 Label - Bubble Level	1
14	31070 (hidden from view) Danger - Tip-over Hazard (moving machine)	1
15	27868 (hidden from view) Danger - Relief Valve	1
16	31456 Genie Logo	2

Index	Part No. Decal Description	Quantity
17	31245 Warning - Collision Hazard (runaway lift)	1
18	37141 Notice - Manual Lowering Knob	1
19	27857 Caution - Pipe Plug	1
20	28157 Notice - Dexron	1
21	27863 Caution - Component Damage Hazard	3
22	38125 Label - SP-12 or 38126 Label - SP-15	2 2
23	31075 Warning - Collision Hazard	2
24	37145 Label - Manual Lowering Valve	1
25	38118 (Power Wheel Assist) Danger/Notice - Safety and Setup	1
26	38117 (Power Wheel Assist) Label - Directional Indication	1
27	31077 Warning - Collision Hazard	1

DECALS



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.
- ☑ Vehicle capacity, loading equipment and surfaces must be capable of supporting machine weight (see *Specifications*, page 19).
- ☑ The base of the machine must remain fully lowered during all loading and transport procedures.
- ☑ The machine must be secured to the transport vehicle with chains or straps of ample load capacity.

Winching the Machine onto a Flatbed Truck

- 1 Fully lower platform.
- 2 Push in red Emergency Stop buttons, turn key switch to the OFF position and remove key.
- 3 Inspect entire machine for loose or unsecured items.
- 4 Connect the cable to the winching point located the front of the base.
- 5 Lift the base with the steer handle.
- 6 Carefully winch the machine onto the truck.
- 7 Secure the machine base and mast to the transport vehicle. Use chains or straps of ample load capacity.

Loading the Machine With a Forklift

Use the forklift pockets located on either the front or the back of the machine.

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

- 1 Lower the base with the steer handle. Lock the steer handle in the stowed position.
- 2 Position the forklift at the front or the back of the machine.

Machines with wheel assist option: Avoid hitting the motor and the hydraulic hoses when forklifting from the back of the machine.

Specifications

Specifications

Height, working maximum		
SP-12	17 ft 3 in	5.3 m
SP-15	20 ft 8 in	6.3 m
Height, platform maximum		
SP-12	11 ft 3 in	3.4 m
SP-15	14 ft 8 in	4.5 m
Machine lift capacity	500 lbs	227 kg
Platform capacity	400 lbs	181 kg
Material storage compartment capacity	150 lbs	68 kg
Power source		
DC models		12V
AC models		110V or 220V
Machine weight (AC / DC models)		
SP-12	850 / 940 lbs	386 / 427 kg
SP-15	930 / 1020 lbs	425 / 463 kg
Height, stowed	75 ¹ / ₂ in	192 cm
Width	31 in	79 cm
Length		
SP-12	70 in	178 cm
SP-15	70 ¹ / ₂ in	179 cm

Platform Specifications

Width	31 in	79 cm
Length	42 in	107 cm
Height	45 in	114 cm
Ambient operating temperature	-20°F to 135°F -29°C to 57°C	
Airborne noise emissions	80 dB	
Maximum sound level at normal operating workstations (A-weighted)		
Current Protection Rating		
220V AC models	8A fuse, circuit breaker 5A fuse, printed circuit board	
110V AC models	15A fuse, circuit breaker 5A fuse, printed circuit board	
DC models	175A fuse, power unit 5A fuse, printed circuit board	

Continuous improvement of our products is a Genie policy. Product specifications are subject to change without notice or obligation.