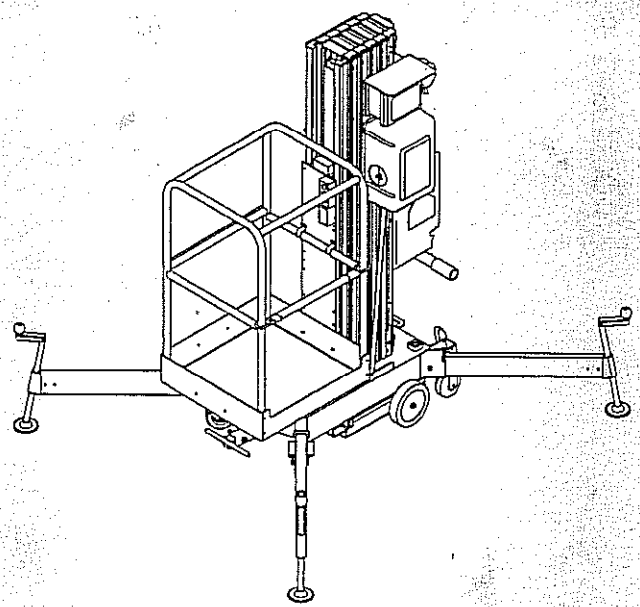
Genie Industries

Technical Publications

305

Genie® AWP™ SUPER SERIES™

Operator's Manual



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Genie AWP 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.

Contents

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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 a personnel lift.

☑ **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).

Tip-over Hazards

Do not raise the platform unless the base is level, all four outriggers are properly installed and the leveling jacks firmly contact the floor.

Do not adjust or remove the outriggers while the platform is occupied or raised.

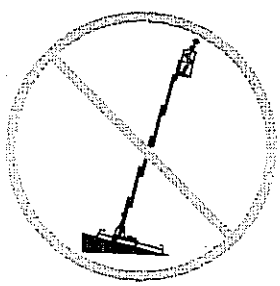
Do not move the machine while the platform is raised.

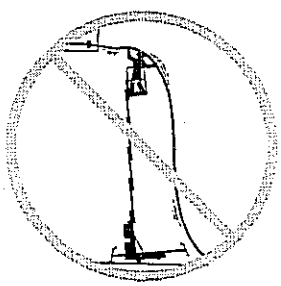
Do not place or attach overhanging loads to any part of this machine.

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

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

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





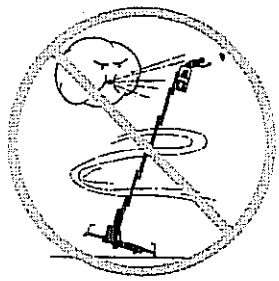
Do not cause a horizontal force or side load to the machine by raising or lowering a fixed or overhanging load.

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

Maximum allowable manual force	45 lbs 200 N

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

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 exceed the rated platform load capacity.

Maximum capacity (all models except Canada)		
AWP-15S	350 lbs	159 kg
AWP-20S	350 lbs	159 kg
AWP-25S	350 lbs	159 kg
AWP-30S	350 lbs	159 kg
AWP-36S	350 lbs	159 kg
AWP-40S	300 lbs	136 kg
Maximum capacity (models sold in Canada only)		
AWP-15S	300 lbs	136 kg
AWP-20S	300 lbs	136 kg
AWP-25S	300 lbs	136 kg
AWP-30S	300 lbs	136 kg
AWP-36S	300 lbs	136 kg
AWP-40S	300 lbs	136 kg
Maximum occupancy		1 person

Do not operate the 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.

Do not push the Genie AWP from the platform side of the machine.

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

Do not use the machine to lift material or equipment. Machine is intended to lift personnel and tools to an aerial work site.

Fall Hazards

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

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

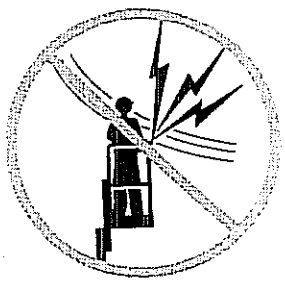
Keep the platform floor clear of debris.

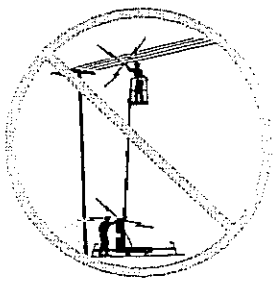
Lower the platform entry mid-rail or gate before operating.

Electrocution Hazards

This machine, even with an optional fiberglass platform, 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.





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

Voltage Phase to Phase	Minimum Safe Approach Distance Feet	Meters
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

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

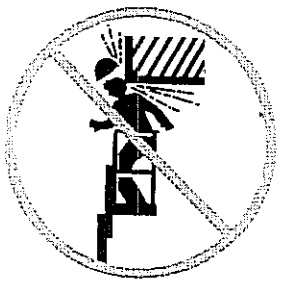
Do not use the machine as a ground for welding.

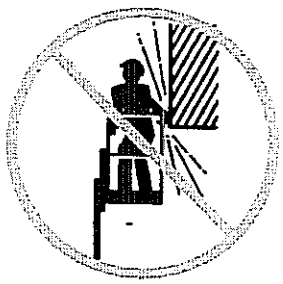
Do not operate an AC powered machine or a DC battery charger unless using a 3-wire grounded extension cord connected to a grounded AC circuit. Do not alter or disable 3-wire grounded plugs.

,LES

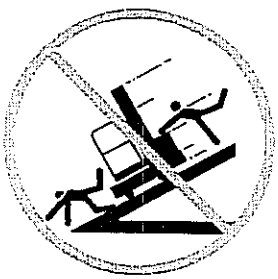
,llision Hazards

Check work area for overhead obstructions or other possible hazards.





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



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

Use common sense and planning to control the movement of the machine on or near inclines.

Stay clear of descending platform.

Improper Use Hazard

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

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.

Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Be sure all maintenance has been performed as specified in this manual and the Genie AWP 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.

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.

Do not use the machine as a ground for welding.

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.

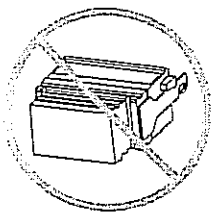
NOTICE — Green—used to indicate operation or maintenance information.

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.



Battery pack must remain in upright position.

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 charger DC output wires from battery when charger is on.

Electrocution Hazards

Connect charger to a grounded AC circuit only.

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

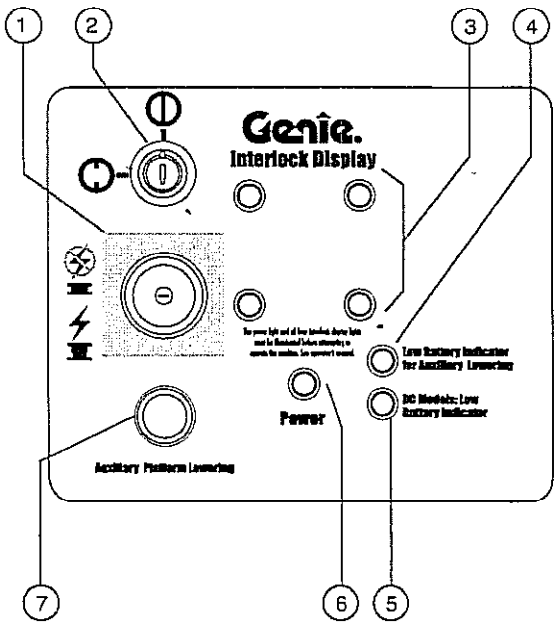
Before each use, inspect for damage. Replace damaged components before operating.

Lifting Hazard

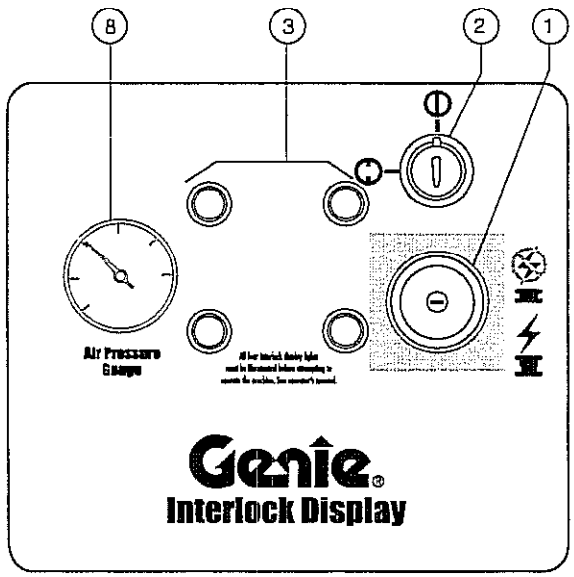
Battery pack weighs 90 lbs (40.8 kg). Use the appropriate number of people and proper lifting techniques when lifting the battery pack.

Controls

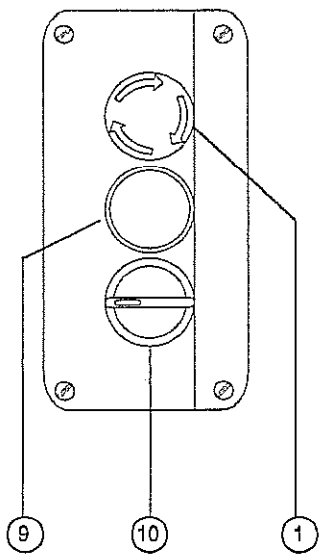
Ground Controls - AC and DC Models



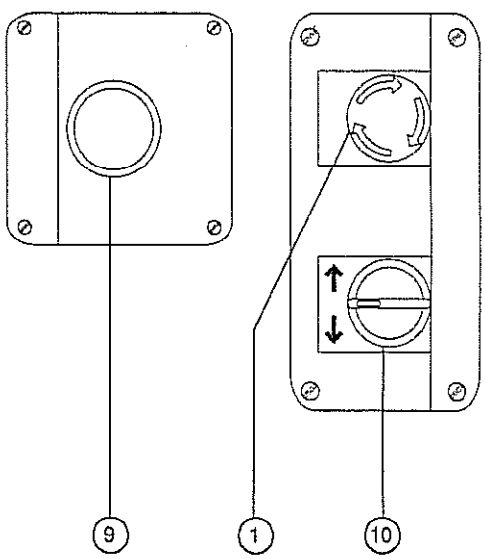
Ground Controls - Air Models



Platform Controls - ANSI & CSA

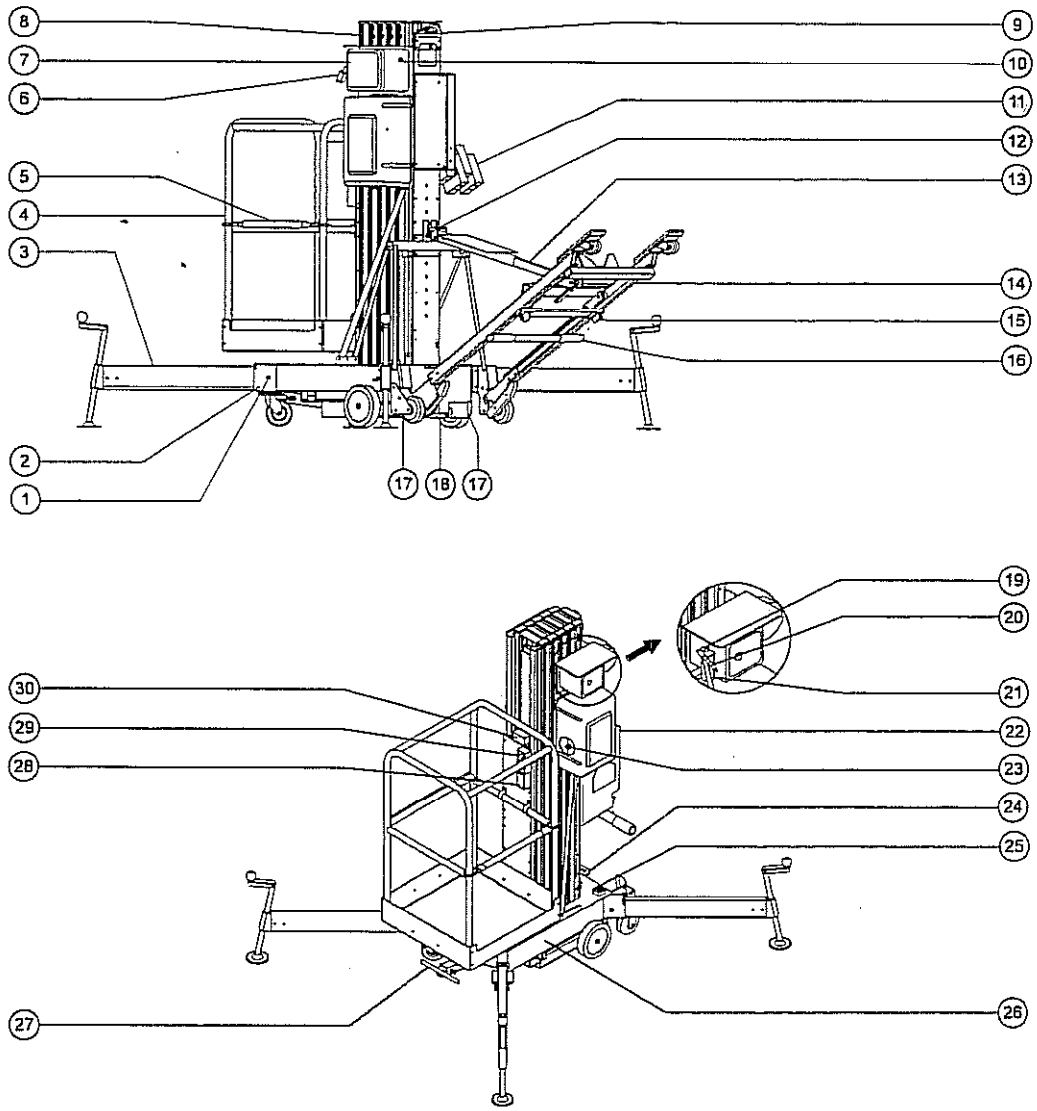


Platform Controls - CE



1 Emergency stop button
2 Key switch
3 Outrigger interlock display lights (four)
4 Low battery indicator light for auxiliary lowering
5 DC models: Low battery indicator light
6 Power light
7 Auxiliary platform lowering button
8 Air pressure gauge
9 Control activate button
10 Up/Down switch

Legend



1 . Outrigger lock pin
2 Base outrigger socket
3 Outrigger with leveling jack
4 Platform
5 Platform entry mid-rail or gate
6 AC models: Power supply for machine DC models: Power to platform
7 Ground controls
8 Mast
9 Lifting eye
10 AC models: Circuit breaker
11 Outrigger storage socket
12 Tilt-back frame retaining pin
13 Tilt-back strut
14 Tilt-back frame
15 Loading stop bracket
16 Loading pivot bar
17 Forklift pocket
18 Manual lowering valve (under machine)
19 Airline lubricator adjustment knob
20 Air supply for machine
21 Airline lubricator
22 DC models: Battery pack with charger
23 Hydraulic power unit
24 Winching/tie-down point
25 Bubble level
26 Base
27 Sliding T-handle
28 AC outlet
29 Platform controls
30 Operator's manual storage container

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 a personnel lift.

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.

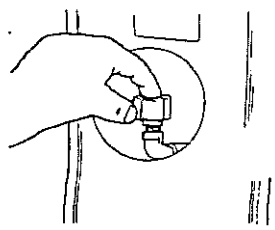
A damaged or modified machine must never be used. If damage or any variation from factory delivered condition is discovered, the machine must be tagged and removed from service.

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 - AC & DC Models

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

- ☐ Be sure that the operator's manual is complete, legible and in the storage container located in the platform.
- ☐ Be sure that all decals are legible and in place (see Decals, page 21).
- ☐ AC & DC models: Check the hydraulic oil level. Check for leaks.
- ☐ Air models: Check the oil level of the airline lubricator.

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

- ☐ Electrical components, wiring and electrical cables
- ☐ AC & DC models: Hydraulic power unit, hoses, fittings and cylinder
- ☐ Air models: Air power unit, airlines, fittings and cylinder
- ☐ Platform entry mid-rail or gate
- ☐ Sequencing cables and pulleys
- ☐ Lifting chains and idler wheels
- ☐ Nuts, bolts and other fasteners
- ☐ Mast columns and counterweight
- ☐ Breather cap
- ☐ Outriggers, leveling jacks and footpads
- ☐ Adjustable glide pads

Check entire machine for:

- ☐ Dents or damage
- ☐ Corrosion or oxidation
- ☐ Crack in welds or structural components

- ☐ Inspect and clean 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 a personnel lift.

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

Setup

2 Position machine directly below desired work area.

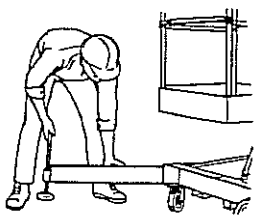
3 Connect to appropriate power source:
DC models: Connect battery pack.
AC models: Connect to a grounded 15A AC power supply. Use a 12 gauge (3.3mm²) 3-wire grounded extension cord no longer than 50 feet (13 m).
Air models: Connect the airline.

4 Insert key and turn to the ON position.

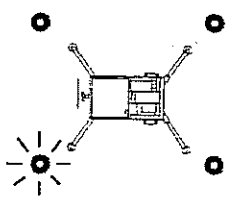
5 Pull out the red Emergency Stop button.

⊙ Result: AC & DC models: The power light should come on.
Air models: the air pressure gauge should read 80-110 psi (5.5 - 7.8 bar)

6 Select an outrigger and slide it into a base socket until the outrigger lock pin snaps into place. Adjust outriggers to level the machine and raise the base casters slightly off the ground.

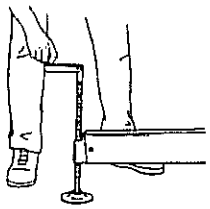


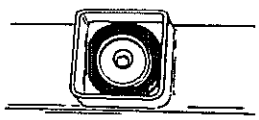
7 Check the interlock display lights at the ground controls. Confirm that the corresponding light is on.



8 Repeat procedure for each of the remaining outriggers.

Test Emergency Stop





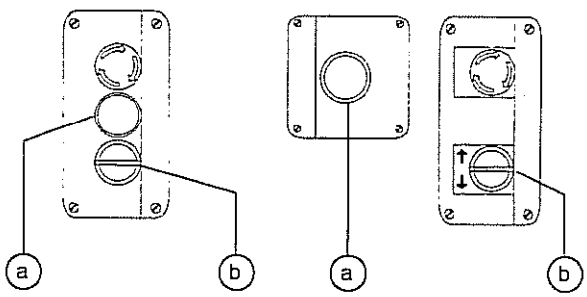
9 Use the bubble level and adjust leveling jacks until the machine base is level.

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

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

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

ANSI & CSA CE



a control activate button
b up/down switch

⊙ Result: Up/down function should **not** operate.

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

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

15 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.

FUNCTION TESTS

Test Outrigger Interlock

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

⊙ Result: Up/Down functions should operate.

17 Unscrew one leveling jack until the corresponding interlock display light turns off.

⊙ Result: Updown function should **not** operate.

18 Return the leveling jack to previous setting and check the bubble level.

19 Repeat procedure for each outrigger.

Test Auxiliary Platform Lowering - AC & DC Models

20 Raise the platform slightly.

21 Disconnect the power source from the machine.

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

⊙ Result: Platform should lower.

23 Connect the power source to the machine.

24 Raise the platform slightly.

25 Disconnect the power source from the machine.

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

⊙ Result: Platform should lower.

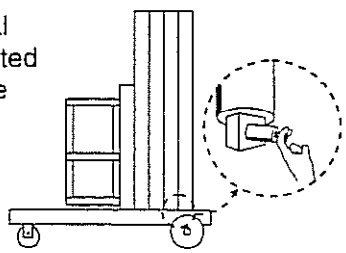
27 Connect the power source to the machine.

Test Manual Lowering

28 Raise platform slightly.

29 Activate the manual lowering valve located at the bottom of the hydraulic cylinder.

⊙ Result: Platform should lower.



Test Airline Lubricator - Air Models

30 While raising the platform, visually inspect the sight glass on the top of the airline lubricator.

⊙ Result: Oil should drip steadily as the platform raises (approximately 1 drip per second).

NOTICE To adjust the airline, lubricator, turn the adjustment knob counterclockwise to increase the flow or clockwise to decrease the flow.

NOTICE If the adjustment is set too high (too much flow), the oil will leak from the exhaust filter on the power unit.
If the adjustment is too low, the power unit will stop or jerk.

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 a personnel lift.

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 a personnel lift.

Fundamentals

Using the machine for anything other than lifting personnel and tools to an aerial work site is unsafe.

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

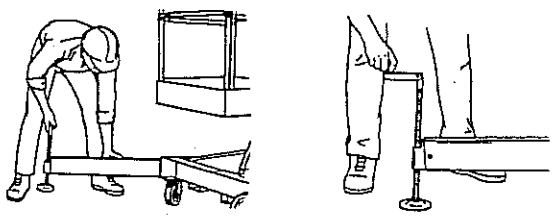
1 Position machine on a firm, level surface directly below desired work area.

2 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).
Air models: Connect the airline.

3 Insert key and turn to the ON position.

4 Pull out the red Emergency Stop button. Be sure the power light is on or the air pressure gauge reads 80-110 psi (5.5 - 7.8 bar).

5 Install outriggers and adjust to level the machine and raise base casters slightly off the ground.



6 Check the interlock display. Be sure that all four interlock display lights are on.

Emergency Stop

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

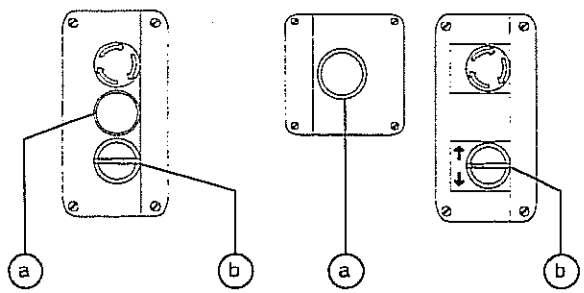
Platform Raise and Lower

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.

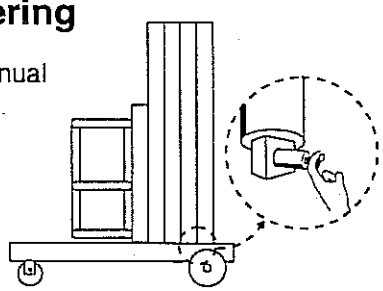
ANSI & CSA CE



a control activate button
b up/down switch

Manual Lowering

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



Auxiliary Platform Lowering - AC & DC Models

1 Activate the auxiliary platform lowering button at the ground controls.

After Each Use

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

2 Chock wheels to prevent machine from rolling.

3 Remove key to secure from unauthorized use.

4 DC models: Recharge battery.

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:
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 the battery vent caps and permanently remove the plastic seal from the battery vent openings.

2 Fill each cell with battery acid (electrolyte) until the level is sufficient to cover the plates.

Do not fill to maximum level until the 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.

Transport Instructions

Observe and Obey:

- ☑ Be sure transport vehicle capacity and loading surfaces are sufficient to support machine weight (see *Specifications*, page 24). Some pick-up truck tailgates are not strong enough to support the weight of the machine and may require reinforcement.
- ☑ Do not load machine onto a transport vehicle unless it is parked on a level surface.
- ☑ Transport vehicle must be secured to prevent rolling while machine is being loaded.
- ☑ Machine must be securely fastened to transport vehicle.
- ☑ Be sure to lock both swivel casters on tilt-back frame.
- ☑ Do not transport with the machine laying over onto the tilt-back frame.

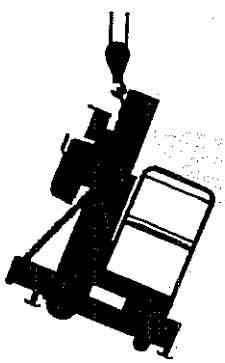
Loading the Machine With a Crane

Use the lifting eye mounted on the rear mast column.

The battery pack must be removed before lifting the machine with a crane.

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

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



Lifting Instructions

The number of people required to load and unload a machine is dependent on a number of factors, including but not limited to:

- the physical condition, strength and disabilities or prior injuries of the people involved
- the vertical and horizontal distances the machine has to be moved
- the number of times the machine will be loaded or unloaded
- the stance, posture and grip used by the people involved
- the lifting techniques used
- the site conditions and weather in which the activity is being performed (i.e., slippery, icy, raining)

The appropriate number of people and proper lifting techniques must be used to prevent physical injury.

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. Remove outriggers from base and place in storage sockets.
4. Inspect entire machine for loose or unsecured items.
5. Connect the cable to the winching point located the rear of the base.
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 for Transport

1 Fully lower platform.

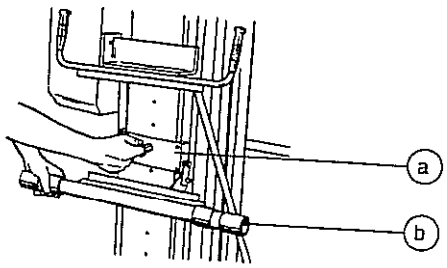
2 Push in red Emergency Stop buttons, turn key switch to the OFF position and remove key.

3 Remove outriggers from base and place in storage sockets.

4 DC models: Disconnect battery cable and remove battery pack.

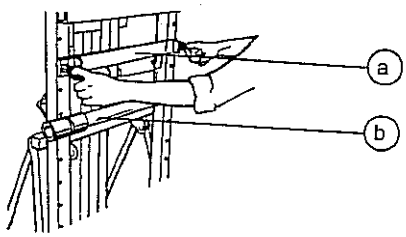
5 Inspect entire machine for loose or unsecured items.

6 Slide the stop bracket to the top lock position.



a stop bracket
b loading pivot

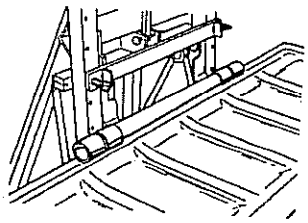
All models without tilt-back frame



a stop bracket
b loading pivot

All models with tilt-back frame

7 Hook loading pivot to stop bracket.



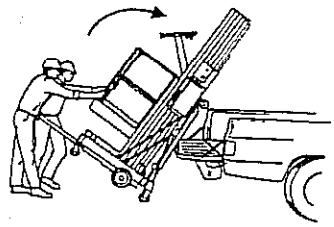
8 Position machine flush against loading surface. Lower and lock stop bracket to the lowest lock pin position above loading surface.

9 All models with tilt-back frames:

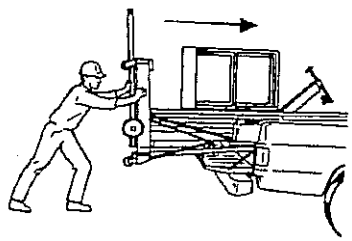
Be sure both stop bracket lock pins are fully locked.

Be sure both tilt-back frame swivel casters are locked.

10 Slide out T-handle until lock pin snaps into place.



11 Lift the T-handle to tilt machine onto loading surface. Use the appropriate number of people and proper lifting techniques.



12 Carefully push machine into transport position.

13 Return sliding T-handle to stowed position.

14 Secure the machine base and mast to the transport vehicle. Use chains or straps of ample load capacity.

15 Reverse procedure to unload.

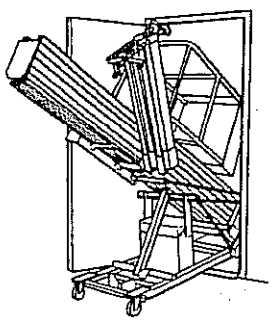
Tilt-back Operation Instructions

Observe and obey:

- ☑ Retaining pin must be inserted to prevent spring loaded tilt-back frame from dropping.
- ☑ Do not tilt the machine back unless area is clear of personnel and obstructions.
- ☑ Do not stand behind or under tilt-back frame when raising or lowering it.

Tilt-back Frame

The Genie AWP Super Series has a tilt-back frame which allows the machine to roll through a standard doorway. The tilt-back frame is standard equipment on standard base AWP-36S and 40S, and optional on standard base AWP-15S, 20S, 25S and 30S. The tilt-back frame is not available on narrow base machines or rough terrain base machines.



Lifting Instructions

The number of people required to load and unload a machine is dependent on a number of factors, including but not limited to:

- the physical condition, strength and disabilities or prior injuries of the people involved
- the vertical and horizontal distances the machine has to be moved
- the number of times the machine will be loaded or unloaded
- the stance, posture and grip used by the people involved
- the lifting techniques used
- the site conditions and weather in which the activity is being performed (i.e., slippery, icy, raining)

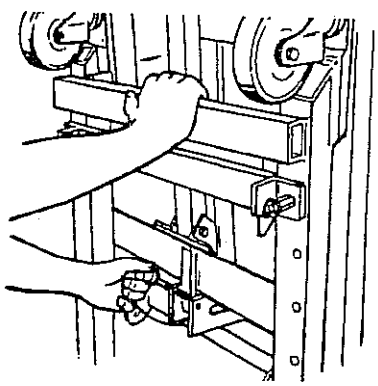
The appropriate number of people and proper lifting techniques must be used to prevent physical injury.

Lowering Tilt-back Assembly

1 Be sure the area behind machine and under the tilt-back frame is clear of personnel and obstructions.

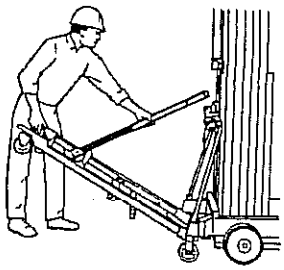
2 Remove the outriggers from the base and place in the storage sockets.

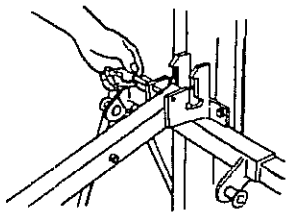
The tilt-back frame is spring loaded and will immediately fall outward when the retaining pin is removed. Maintain a firm grasp on the tilt-back frame and remove the retaining pin.



OPERATING INSTRUCTIONS

3 Lower tilt-back frame and guide the tilt-back strut into the strut socket.

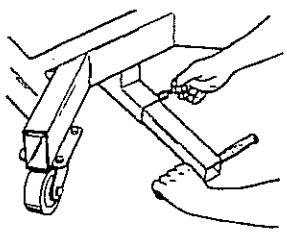




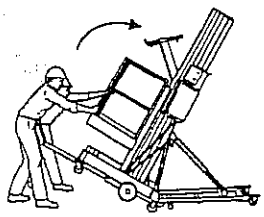
4 Insert retaining pin into strut socket.

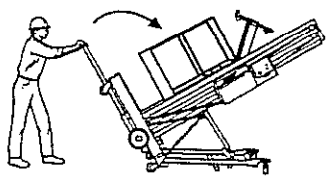
Tilting back Machine

1 Slide out T-handle until lock pin snaps into place.



2 Lift the machine with the T-handle to mid-tilt position—casters on tilt-back frame contact floor, and machine supported by extended tilt-back strut. Use the appropriate number of people and proper lifting techniques.





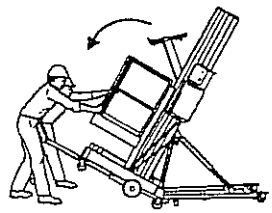
3 Continue lifting until telescoping tilt-back strut is completely compressed.

4 Stow the T-handle.

Returning Machine To Standing Position

1 Be sure area below machine base and T-handle is clear of personnel and obstructions.

2 Carefully pull down T-handle until machine rests at mid-tilt position.

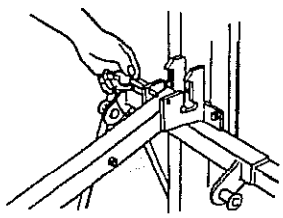


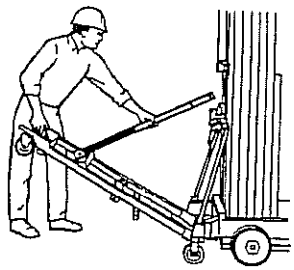
3 Lower the machine with the T-handle until base casters are in contact with ground. Use the appropriate number of people and proper lifting techniques.

4 Return sliding T-handle to stowed position.

Stowing Tilt-back Assembly

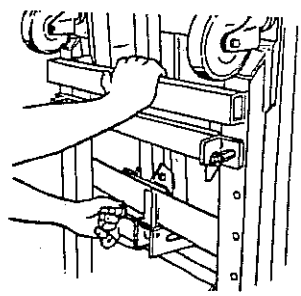
1 Remove retaining pin.





2 Firmly grasp tilt-back frame and remove tilt-back strut from strut socket.

3 Lift tilt-back frame, hold in upright position against spring and secure with retaining pin.



Decals

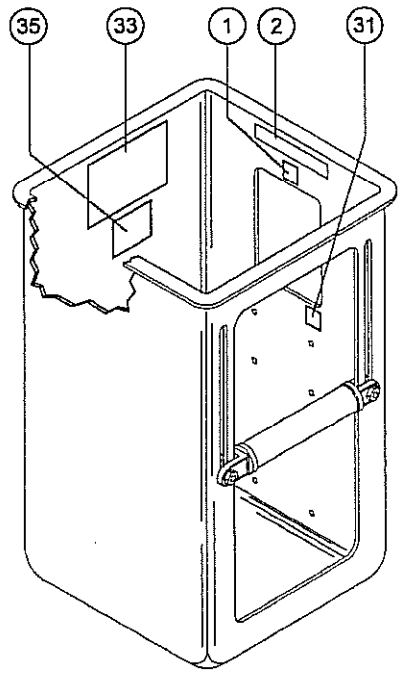
Index	Part No. / Decal Description	Quantity
1	38122 Label - Operator's Manual Storage Container	1
2	31071 Warning - Failure to Read/Obey Manual	1
3	27857 Caution - Pipe Plug	1
4	37141 Manual Lowering Instructions	1
5	38149 Label - Patents	1
6	37133 - AC & DC models w/ standard base Label - Interlock Display or 38143 - AC & DC models w/ narrow or RT base Label - Interlock Display or 41266 - Air models w/ standard base Label - Interlock Display or 41268 - Air models w/ narrow or RT base Label - Interlock Display	1 1 1 1
7	28157 Notice - Dexron	1
8	31245 Warning - Collision Hazard	1
9	27867 Swival Lock	1
10	27840 Retaining Pin	1
11	27868 Danger - Relief Valve	1
12	31070 Danger - Tip-over Hazard (moving machine)	1
13	38142 Label - Circuit Breaker	1
14	27838 Warning - Tilt-back Hazards Notice - Tilt-back Instructions	1
15	27873 Notice - Maintain firm grasp on ...	1
16	27874 Label - Insert retaining pin into ...	1
17	27843 Label - Tilt-back Strut	1
18	27844 Label - Strut Socket	1
19	27872 Danger - Tip-over Hazard (outriggers)	1
20	27841 Label - Stop Bracket	1
21	27842 Label - Loading Pivot	1
22	33550 Safety Tape	—
23	46203 Notice - 20 inch Outrigger OR 46204 Notice - 26 inch Outrigger OR 46205 Notice - 30.5 inch Outrigger OR 46206 Notice - 36 inch Outrigger OR 46207 Notice - 40 inch Outrigger OR 46208 Notice - 46 inch Outrigger OR 46209 Notice - 60 inch Outrigger OR 46210 Notice - 75 inch Outrigger OR 46211 Notice - 85 inch Outrigger	4 4 4 4 4 4 4 4 4 4
24	27863 Caution - Component Damage Hazard	3
25	37145 Label - Manual Lowering Valve	1
26	27865 Label - Bubble Level	1
27	37135 Label - AWP-15S OR 37136 Label - AWP-20S OR 37137 Label - AWP-25S OR 37138 Label - AWP-30S OR 37139 Label - AWP-36S OR 37140 Label - AWP-40S	2 2 2 2 2 2
28	31077 Caution - Collision Hazard	1

DECALS

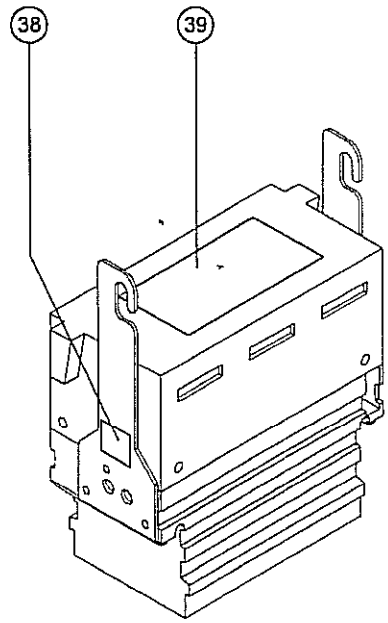
Index	Part No. Decal Description	Quantity
29	27839 Label - Sliding T-handle	1
30	31456 Cosmetic - Genie Logo	2
31	31076 Caution - 8A Maximum, 115V AC	1
32	37142 Notice - Operating Instructions	1
33	31243 Danger - General Safety	1
34	46218 Notice - Side Force/Wind Speed	1
35	37144 * Notice - Maximum Capacity, 350 lbs or 37143 * Notice - Maximum Capacity, 300 lbs	1 1
36	44999 Label - Control Activate	1
37	27864 Notice - Lower Stop Bracket before ...	1
38	28372 Caution - Quick Disconnect	1
39	31068 Danger - Battery Safety and Charger Instructions	1

* Please reference the Specifications section or the chart on page 2 to determine the capacity of your model.

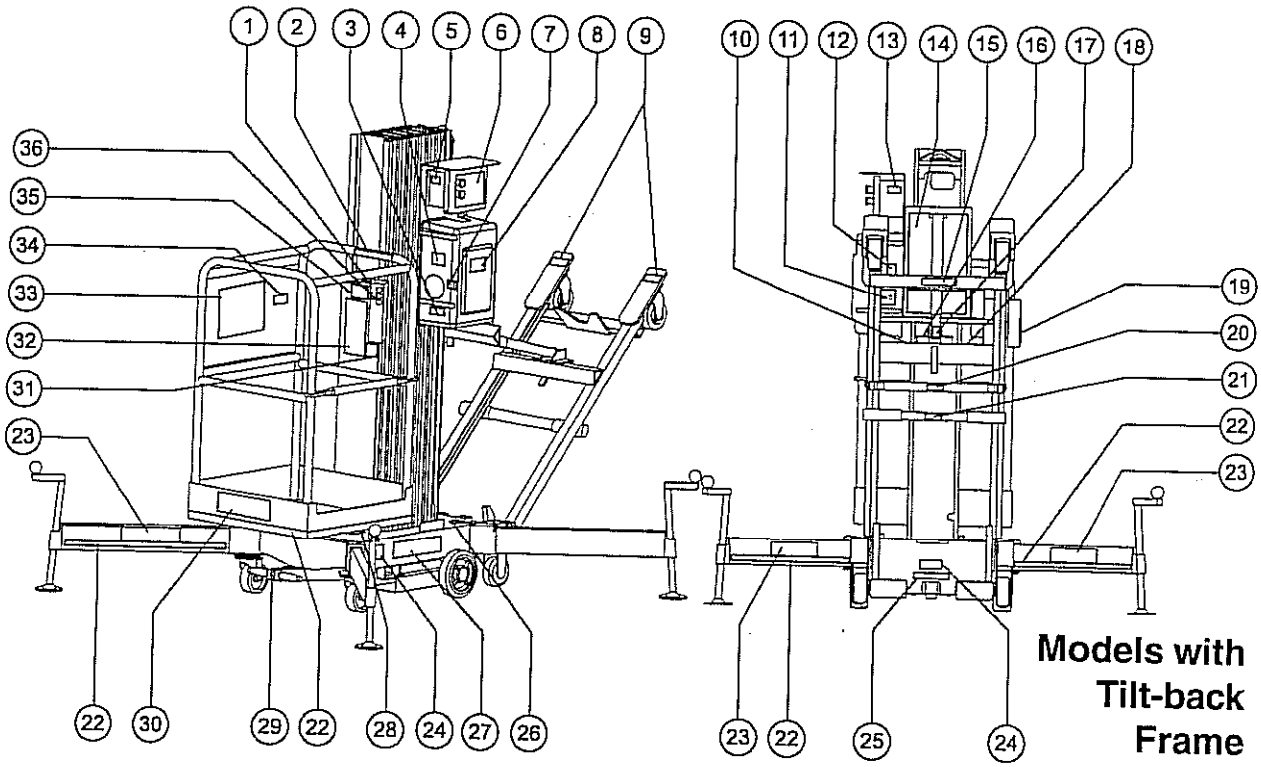
Fiberglass Platform Option



Battery Pack



DECALS



Models with Tilt-back Frame

Models without Tilt-back Frame

Specifications

Machine Specifications		
Height, working maximum		
AWP-15S	21 ft 4 in	6.5 m
AWP-20S	26 ft 1 in	8.0 m
AWP-25S	30 ft 9 in	9.4 m
AWP-30S	35 ft 6 in	10.8 m
AWP-36S	42 ft 5 in	12.9 m
AWP-40S	46 ft 3 in	14.1 m
Height, platform maximum		
AWP-15S	15 ft 4 in	4.7 m
AWP-20S	20 ft 1 in	6.1 m
AWP-25S	24 ft 9 in	7.6 m
AWP-30S	29 ft 6 in	9.0 m
AWP-36S	36 ft 6 in	11.1 m
AWP-40S	40 ft 3 in	12.3 m
Lift capacity - AWP-15S, 20S, 25S, 30S & 36S models except Canada		350 lbs 159 kg
Lift capacity - AWP-40S models except Canada		300 lbs 136 kg
Lift capacity models sold in Canada only		300 lbs 136 kg
Power source		
DC model		12V
AC model		110V or 220V
Air motor	100 psi (6.9 bar) @ 80 cfm (37760 cc/sec)	
Ambient operating temperature		-20°F to 135°F -29°C to 57°C
Airborne noise emissions Maximum sound level at normal operating workstations (A-weighted)		80 dB
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

Standard Base Specifications		
Machine weight (DC / AC models)		
AWP-15S	718 / 628 lbs	326 / 285 kg
AWP-20S	764 / 674 lbs	347 / 306 kg
AWP-25S	817 / 727 lbs	371 / 330 kg
AWP-30S	831 / 741 lbs	377 / 336 kg
AWP-36S	1107 / 1017 lbs	502 / 461 kg
AWP-40S	1130 / 1040 lbs	513 / 472 kg
Height, stowed		
AWP-15S, 20S, 25S, 30S	78 in	198 cm
AWP-36S, 40S	109 1/2 in	278 cm
Width		29 in 73.6 cm
Length		
AWP-15S, 20S, 25S, 30S	46 in	117 cm
AWP-36S, 40S	55 in	140 cm

Platform dimensions - all models	
Standard platform (l x w x h) gated or sliding mid-rail	27 x 26 x 44 3/4 in 69 x 66 x 114 cm
Gated ultra-narrow platform (l x w x h)	22 x 18 x 44 3/4 in 56 x 46 x 114 cm
Gated narrow platform (l x w x h)	26 x 20 x 44 3/4 in 66 x 51 x 114 cm
Standard fiber platform (l x w x h)	29 x 26 1/2 x 43 1/2 in 74 x 67 x 110 cm
Narrow fiber platform (l x w x h)	26 x 22 x 43 1/2 in 66 x 56 x 110 cm
Front and side entry platform (l x w x h)	30 x 28 x 44 3/4 in 76 x 71 x 114 cm
Extra large platform (l x w x h)	30 x 28 x 44 3/4 in 76 x 71 x 114 cm

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

SPECIFICATIONS

Standard Base Specifications	AWP-15S	AWP-20S	AWP-25S
Outrigger footprint (l x w) Domestic	60 3/4 x 52 3/4 in 154 x 134 cm	60 3/4 x 52 3/4 in 154 x 134 cm	60 3/4 x 52 3/4 in 154 x 134 cm
Outrigger footprint (l x w) CSA	60 3/4 x 52 3/4 in 154 x 134 cm	69 1/4 x 61 1/4 in 175.6 x 155.3 cm	83 1/2 x 75 1/2 in 212 x 191 cm
Outrigger footprint (l x w) CE Indoor	60 3/4 x 52 3/4 in 154 x 134 cm	60 3/4 x 52 3/4 in 154 x 134 cm	69 1/4 x 61 1/4 in 175.6 x 155.3 cm
Outrigger footprint (l x w) CE Outdoor	69 1/4 x 61 1/4 in 175.6 x 155.3 cm	83 1/4 x 75 1/4 in 211.5 x 191.2 cm	89 x 81 in 225.9 x 205.6 cm
Corner access/wall access* Domestic	15 3/4 / 8 in 39.7 / 20.3 cm	14 1/2 / 5 1/2 in 36.9 / 7.4 cm	14 / 3 in 35.1 / 7.4 cm
Corner access/wall access* CSA	15 3/4 / 8 in 39.7 / 20.3 cm	20 1/4 / 9 3/4 in 51.2 / 24.5 cm	28 3/4 / 14 1/4 in 72.6 / 36.2 cm
Corner access/wall access* CE Indoor	15 3/4 / 8 in 39.7 / 20.3 cm	14 1/2 / 5 1/2 in 36.9 / 7.4 cm	19 1/4 / 7 1/4 in 48.6 / 18.2 cm
Corner access/wall access* CE Outdoor	21 1/2 / 12 1/4 in 54.6 / 30.8 cm	30 / 16 3/4 in 76 / 42.4 cm	32 1/2 / 17 in 82.5 / 43.4 cm
	AWP-30S	**AWP-36A**	**AWP-40S**
Outrigger footprint (l x w) Domestic	69 1/4 x 61 1/4 in 175.6 x 155.3 cm	83 1/4 x 75 1/4 in 211.6 x 191.2 cm	89 x 81 in 225.9 x 205.6 cm
Outrigger footprint (l x w) CSA	97 1/2 x 89 1/2 in 247.5 x 227.2 cm	117 1/4 x 109 1/4 in 297.8 x 278 cm	117 1/4 x 109 1/4 in 297.8 x 278 cm
Outrigger footprint (l x w) CE Indoor	75 1/2 x 67 1/2 in 192 x 171.4 cm	83 1/4 x 75 1/4 in 211.6 x 191.2 cm	89 x 81 in 225.9 x 205.6 cm
Outrigger footprint (l x w) CE Outdoor	117 1/4 x 109 1/2 in 297.8 x 278 cm	117 1/4 x 109 1/2 in 297.8 x 278 cm	117 1/4 x 109 1/2 in 297.8 x 278 cm
Corner access/wall access* Domestic	18 1/2 / 4 3/4 in 46.6 / 11.9 cm	28 1/2 / 14 1/4 in 72.7 / 36.2 cm	31 1/4 / 14 1/2 in 79.4 / 37.1 cm
Corner access/wall access* CSA	37 / 18 3/4 in 94.1 / 47.8 cm	52 / 31 1/4 in 132.5 / 79.3 cm	50 3/4 / 28 3/4 in 128.8 / 73 cm
Corner access/wall access* CE Indoor	22 1/4 / 8 in 56.5 / 20.3 cm	28 1/2 / 14 1/4 in 72.7 / 36.2 cm	31 1/4 / 14 1/2 in 79.4 / 37.1 cm
Corner access/wall access* CE Outdoor	50 3/4 / 28 3/4 in 128.8 / 73 cm	52 / 31 1/4 in 132.5 / 79.3 cm	50 3/4 / 28 3/4 in 128.8 / 73 cm

* Corner of platform top rail to corner of wall with ability to rotate leveling jack.

SPECIFICATIONS

Machine Specifications		
Height, working maximum		
AWP-15S	21 ft 4 in	6.5 m.
AWP-20S	26 ft 1 in	8.0 m
AWP-25S	30 ft 9 in	9.4 m
AWP-30S	35 ft 6 in	10.8 m
Height, platform maximum		
AWP-15S	15 ft 4 in	4.7 m
AWP-20S	20 ft 1 in	6.1 m
AWP-25S	24 ft 9 in	7.6 m
AWP-30S	29 ft 6 in	9.0 m
Lift capacity - AWP-15S, 20S, 25S & 30S models except Canada		350 lbs 159 kg
Lift capacity models sold in Canada only		300 lbs 136 kg
Power source		
DC model		12V
AC model		110V or 220V
Air motor	100 psi (6.9 bar) @ 80 cfm (37760 cc/sec)	
Ambient Operating Temperature		-20°F to 135°F -29°C to 57°C
Airborne noise emissions Maximum sound level at normal operating workstations (A-weighted)		80 dB

Narrow Base Specifications		
Machine weight (DC / AC models)		
AWP-15S	711/ 621 lbs	322/ 282kg
AWP-20S	745/ 655 lbs	338/ 297kg
AWP-25S	780/ 690 lbs	353/ 313 kg
AWP-30S	814/ 724 lbs	369/ 328 kg
Height, stowed	78 in	198 cm
Width	22 in	55.8 cm
Length	49 1/2 in	125.7 cm
Platform dimensions		
Gated ultra-narrow platform (l x w x h)		22 x 18 x 44 3/4 in 56 x 46 x 117 cm
Gated narrow platform (l x w x h)		26 x 20 x 44 3/4 in 66 x 51 x 114 cm
Narrow fiber platform (l x w x h)		26 x 22 x 43 1/2 in 66 x 56 x 110 cm
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

	AWP-15S	AWP-20S	AWP-25A	AWP-30S
Outrigger footprint (l x w) Domestic	64 x 48 1/4 in 162.5 x 122.5 cm	64 x 48 1/4 in 162.5 x 122.5 cm	64 x 48 1/4 in 162.5 x 122.5 cm	71 1/2 x 58 in 181.6 x 147.3 cm
Outrigger footprint (l x w) CSA	71 1/2 x 58 in 181.6 x 147.3 cm	74 1/2 x 65 1/2 in 189.2 x 166.3 cm	83 1/4 x 74 in 211.4 x 187.9 cm	95 1/4 x 89 3/4 in 241.9 x 227.9 cm
Outrigger footprint (l x w) CE Indoor	64 x 48 1/4 in 162.5 x 122.5 cm	71 1/4 x 58 in 181.6 x 147.3 cm	71 1/4 x 58 in 181.6 x 147.3 cm	74 1/2 x 65 1/2 in 189.2 x 166.3 cm
Outrigger footprint (l x w) CE Outdoor	83 1/4 x 74 in 211.4 x 187.9 cm	83 1/4 x 74 in 211.4 x 187.9 cm	95 1/4 x 89 3/4 in 241.9 x 227.9 cm	112 x 112 in 284.4 x 284.4 cm
Corner access/wall access* Domestic	16 / 11 in 40.6 / 27.9 cm	14 1/4 / 8 1/2 in 36.2 / 21.6 cm	13 / 6 in 33 / 15.2 cm	18 1/2 / 7 1/4 in 47 / 18.4 cm
Corner access/wall access* CSA	22 1/2 / 14 3/4 in 57.1 / 37.5 cm	24 1/2 / 14 in 62.2 / 35.5 cm	28 3/4 / 15 in 73 / 38.1 cm	37 1/2 / 18 1/2 in 95.2 / 47 cm
Corner access/wall access* CE Indoor	16 / 11 in 40.6 / 27.9 cm	21 / 12 1/4 in 53.3 / 31.1 cm	19 1/2 / 9 3/4 in 49.5 / 24.7cm	22 / 9 in 55.8 / 22.8 cm
Corner access/wall access* CE Outdoor	31 1/2 / 20 in 80 / 50.8 cm	30 / 17 1/2 in 76.2 / 44.4 cm	38 3/4 / 21 in 98.4 / 53.3 cm	51 / 26 1/2 in 129.5 / 67.3 cm

* Corner of platform top rail to corner of wall with ability to rotate leveling jack.

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

SPECIFICATIONS

Machine Specifications		
Height, working maximum		
AWP-15S	21 ft 4 in	6.5 m
AWP-20S	26 ft 1 in	8.0 m
AWP-25S	30 ft 9 in	9.4 m
AWP-30S	35 ft 6 in	10.8 m
Height, platform maximum		
AWP-15S	15 ft 4 in	4.7 m
AWP-20S	20 ft 1 in	6.1 m
AWP-25S	24 ft 9 in	7.6 m
AWP-30S	29 ft 6 in	9.0 m
Lift capacity - AWP-15S, 20S, 25S & 30S models except Canada		350 lbs 159 kg
Lift capacity models sold in Canada only		300 lbs 136 kg
Power source		
DC model		12V
AC model		110V or 220V
Air motor	100 psi (6.9 bar) @ 80 cfm (37760 cc/sec)	
Ambient Operating Temperature		-20°F to 135°F -29°C to 57°C
Airborne noise emissions Maximum sound level at normal operating workstations (A-weighted)		80 dB
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

Rough Terrain Base Specifications		
Machine weight (DC / AC models)		
AWP-15S	715/625 lbs	324.5/283.7 kg
AWP-20S	750/660 lbs	339.7/298.9 kg
AWP-25S	784/694 lbs	355.3/314.6 kg
AWP-30S	819/729 lbs	371/330.2 kg
Height, stowed	79 in	201 cm
Width	29 1/2 in	75 cm
Length	58 in	147 cm
Platform dimensions		
Standard platform (l x w x h) gated or sliding mid-rail		27 x 26 x 44 3/4 in 69 x 66 x 114 cm
Gated ultra-narrow platform (l x w x h)		22 x 18 x 44 3/4 in 56 x 46 x 117 cm
Gated narrow platform (l x w x h)		26 x 20 x 44 3/4 in 66 x 51 x 114 cm
Standard fiber platform (l x w x h)		29 x 26 1/2 x 43 1/2 in 74 x 67 x 110 cm
Narrow fiber platform (l x w x h)		26 x 22 x 43 1/2 in 66 x 56 x 110 cm
Front and side entry platform (l x w x h)		30 x 28 x 44 3/4 in 76 x 71 x 110 cm
Extra large platform (l x w x h)		30 x 28 x 44 3/4 in 76 x 71 x 110 cm

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* Corner of platform top rail to corner of wall with ability to rotate leveling jack.

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