Genie
A TEREX BRAND

Operator's Manual

Serial Number Range

AWP® Super Series

from AWPP-100000

CE
UK
CA

with
Maintenance
Information

Original Instructions
Fifth Edition
Second Printing
Part No. 1298034GT

Introduction

Manufacturer:

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Switzerland

EU Authorized representative:

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Contents

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CE Complies with EC Directive 2006/42/EC
See EC Declaration of Conformity

UKCA Supply of Machinery (Safety) Regulations 2008

Introduction

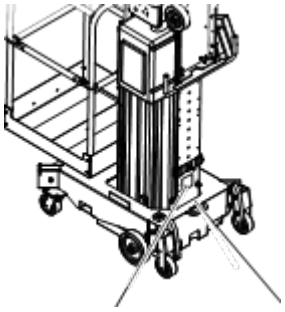
About this manual

Genie appreciates your choice of our machine for your application. Our number one priority is user safety, which is best achieved by our joint efforts. This book is an operation and daily maintenance manual for the user or operator of a Genie 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, contact Genie.

Product Identification

The machine serial number is located on the serial label.



Serial labelSerial number stamped on chassis

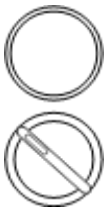
Intended Use and Familiarization Guide

The intended use of this machine is to lift personnel, including tools, and materials to an aerial work site. Before operating the machine, it's the operator's responsibility to read and understand this familiarization guide.

- ☑ Each person must be trained to operate a Mobile Elevating Work Platform (MEWP).
- ☑ Familiarization with the MEWP must be given to each person who is authorized, competent and trained.
- ☑ Only trained and authorized personnel should be permitted to operate the machine.
- ☑ The operator is responsible to read, understand, and obey the manufacturer's instructions and safety rules provided in the Operator's Manual.
- ☑ The Operator's Manual is located in the manual storage container, at the platform.
- ☑ For specific product applications, see **Contacting The Manufacturer**.

Introduction

Platform controls symbology and related machine movement:

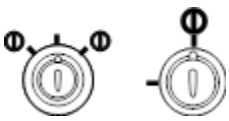


Platform up

Platform down

Ground controls symbology and related machine movement:

Keyswitch - Off



Keyswitch - On

Ground controls

Platform controls

Emergency platform lowering

Low battery indicator

Air pressure

Interlocked functions:

- All platform and ground controls.

Limitations of use:

- The intended use of this machine is to lift personnel, including tools, and materials to an aerial work site.
- Do not elevate the platform unless the machine is on firm level ground.

Introduction

Bulletin Distribution and Compliance

Safety of product users is of paramount importance to Genie. Various bulletins are used by Genie to communicate important safety and product information to dealers and machine owners.

The information contained in the bulletins is tied to specific machines using the machine model and serial number.

Distribution of bulletins is based on the most current owner on record along with their associated dealer, so it is important to register your machine and keep your contact information up to date.

To ensure safety of personnel and the reliable continued operation of your machine, be sure to comply with the action indicated in a respective bulletin.

To view any open bulletins for your machine, visit us on the web at www.genielift.com.

Contacting the Manufacturer

At times it may be necessary to contact Genie. When you do, be ready to supply the model number and serial number of your machine, along with your name and contact information. At minimum, Genie should be contacted for:

Accident reporting

Questions regarding product applications and safety

Standards and regulatory compliance information

Current owner updates, such as changes in machine ownership or changes in your contact information. See Transfer of Ownership, below.

Transfer of Machine Ownership

Taking a few minutes to update owner information will ensure that you receive important safety, maintenance and operating information that applies to your machine.

Please register your machine by visiting us on the web at www.genielift.com or by calling us toll free at 1-800-536-1800.

Introduction

Danger

Failure to obey the instructions and safety rules in this manual will result in death or serious injury.

Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

Know and understand the safety rules before going on to the next section.

2 Always perform a pre-operation inspection.

3 Always perform function tests prior to use.

4 Inspect the workplace.

5 Only use the machine as it was intended.

☑ You read, understand and obey the manufacturer's instructions and safety rules—safety and operator's manuals and machine decals.

☑ You read, understand and obey employer's safety rules and worksite regulations.

☑ You read, understand and obey all applicable governmental regulations.

☑ You are properly trained to safely operate the machine.

☑ The first time this machine is set up for use, a breather cap is installed. See Pre-operation Inspection section for breather cap instructions.

Safety Sign Maintenance

Replace any missing or damaged safety signs. Keep operator safety in mind at all times. Use mild soap and water to clean safety signs. Do not use solvent-based cleaners because they may damage the safety sign material.

Hazard Classification

Decals on this machine use symbols, color coding, and signal words to identify the following:

Safety alert symbol—used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

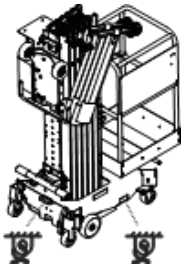
⚠ DANGER Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

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

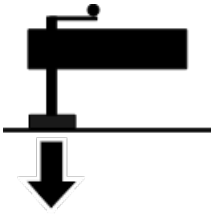
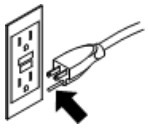
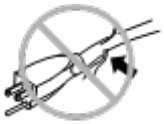
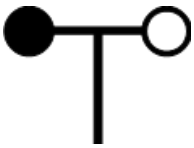
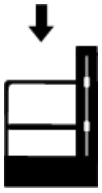
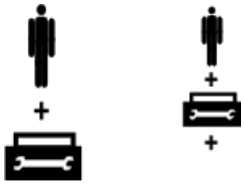
⚠ CAUTION Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE Indicates a property damage message.

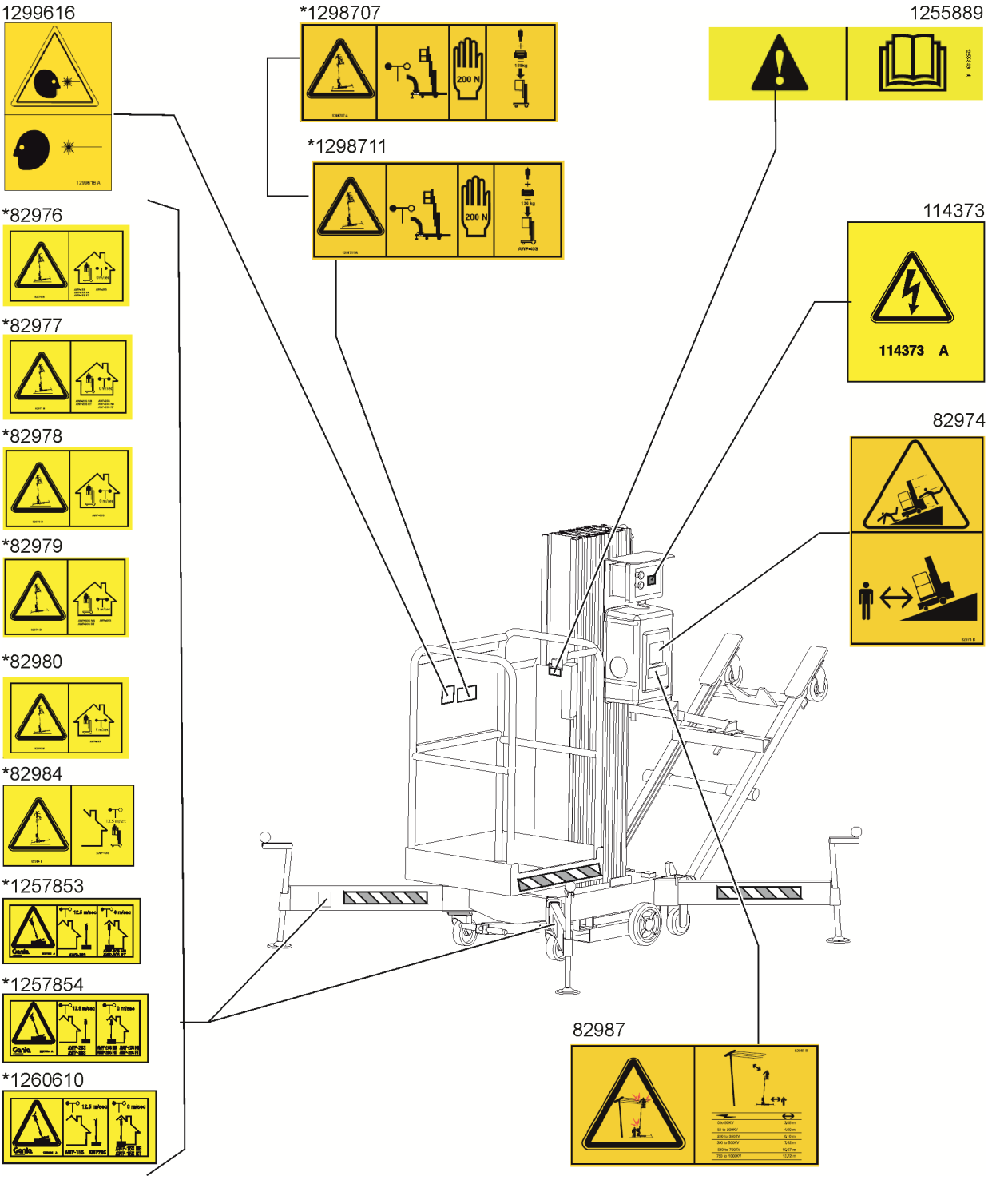
Symbol and Hazard Pictorials Definitions

 Read the operator's manual	 Read the service manual	 Crush hazard	 No smoking	 Collision hazard
 Tip-over hazard	 Tip-over hazard	 Tip-over hazard	 Electrocution hazard	 Tip-over hazard
 Burn hazard	 Explosion hazard	 Fire hazard	 Refer to ourigger decal	 Electrocution hazard
 Voltage rating for power to platform	 Pressure rating for air line to platform	 Crush hazard	 Transport diagram	 Tiedown

Symbol and Hazard Pictorials Definitions

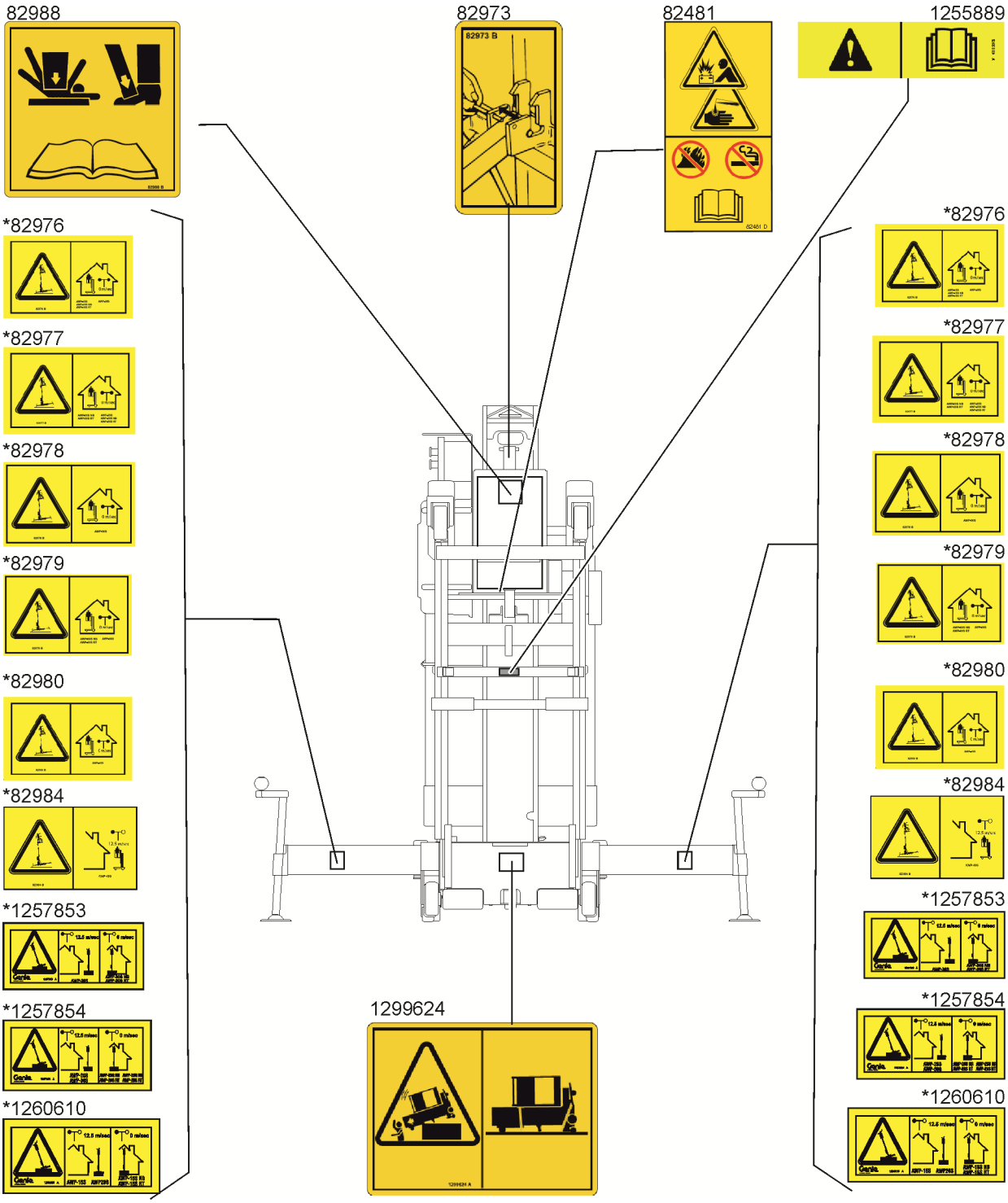
 Maintain required clearance	 Outrigger load	 Lifting point	 Release brakes	 Grounded AC 3-wire only
 Replace damaged wires and cords	 Wheel load	 Lanyard anchorage points	 Manual force	 Wind speed
 Maximum capacity	 Use common sense and planning to control the movement of the machine on or near inclines.	 Indoor	 Outdoor	 Emergency lowering
 Maximum capacity including occupant, tools, materials and options				

General Safety



* These decals are model, option or configuration specific.

General Safety



* These decals are model, option or configuration specific.

Personal Fall Protection

Personal fall protection equipment (PFPE) is not required when operating this machine. If PFPE is required by job site or employer rules, the following shall apply:

All PFPE must comply with applicable governmental regulations and must be inspected and used in accordance with the manufacturer’s instructions.

Work Area Safety

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

Obey all local and governmental regulations regarding required clearance from electrical power lines. At a minimum, the required clearance contained in the chart below must be followed.

Voltage Phase to Phase	Minimum Safe Approach Distance	
0 to 300V	Avoid Contact	
300V to 50KV	10 ft	3.05 m
50KV to 200KV	15 ft	4.60 m
200KV to 350KV	20 ft	6.10 m
350KV to 500KV	25 ft	7.62 m
500KV to 750KV	35 ft	10.67 m
750KV to 1000KV	45 ft	13.72 m

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

⚠ 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 move the machine while the platform is raised.

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

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

Work Area Safety

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

Do not transport tools and materials unless they are evenly distributed and can be safely handled by the person in the platform.

Do not raise the platform unless the machine is level. Do not set the machine up on a surface where it cannot be leveled using only the leveling jacks.

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

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

Maximum allowable manual force:
45 lbs/200 N

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

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

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

Do not tie the platform to adjacent structures.

Do not place loads outside the platform perimeter.

Use only Genie approved 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, the platform should be fully lowered, the machine should be turned off and no personnel shall remain in the platform.

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

Do not alter or modify a mobile elevating work platform without prior written permission from the manufacturer. Mounting attachments for holding tools or other materials onto the platform, toeboards, or guard rail system can increase the weight in the platform and the surface area of the platform or the load.

Work Area Safety

Standard base models with outdoor outriggers: Do not raise the platform when wind speeds may exceed 28 mph/12.5 m/s. If wind speeds exceed 28 mph/12.5 m/s when the platform is raised, lower the platform and do not continue to operate the machine.

Standard base models with indoor outriggers: Indoor use only. Do not raise the platform when wind speeds may exceed 0 mph/0 m/s. If wind speeds exceed 0 mph/0 m/s when platform is raised, lower the platform and do not continue to operate the machine.

Narrow or RT base models: Indoor use only. Do not raise the platform when wind speeds may exceed 0 mph/0 m/s. If wind speeds exceed 0 mph/0 m/s when platform is raised, lower the platform and do not continue to operate the machine.

Do not operate the machine in strong or gusty winds. Do not increase the surface area of the platform or the load. Increasing the area exposed to the wind will decrease machine stability.

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

Maximum capacity		
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 occupants		**1 person**

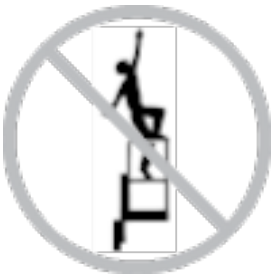
⚠ Crushing Hazard

Keep hands and limbs out of mast.

Use common sense and planning when operating the machine with the controller from the ground. Maintain safe distances between the operator, the machine and fixed objects.

Work Area Safety

⚠ Fall Hazards



The guard rail system provides fall protection. If occupant(s) of the platform are required to wear personal fall protection equipment (PFPE) due to job site or employer rules, PFPE and its use shall be in accordance with the PFPE manufacturer's instructions and applicable governmental requirements. Attach the lanyard to the anchor provided in the platform.

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

Do not 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.

⚠ Collision Hazards

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

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

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

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

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

Stay clear of descending platform.

Work Area Safety

⚠ Bodily Injury Hazard

Do not operate the machine with a hydraulic oil or air leak. An air leak or hydraulic leak can penetrate and/or burn skin.

⚠ Explosion and Fire Hazards

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

⚠ Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Conduct a thorough pre-operation inspection of the machine and test all functions before each work shift. Immediately tag and remove from service a damaged or malfunctioning machine.

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

Be sure all decals are in place and legible.

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

⚠ Battery Safety

Burn Hazards

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

Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

The battery pack must remain in the upright position.

Do not expose the batteries or the charger to water or rain during charging.

Work Area Safety

Explosion Hazards

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

Charge the battery in a well ventilated area.

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

Do not disconnect charger DC output wires from the battery when the charger is on.

Component Damage Hazard

Do not use any battery charger greater than 24V to charge the batteries.

Electrocution/Burn Hazards

Connect the battery charger to a grounded, AC 3-wire electrical outlet only.

Inspect daily for damaged cords, cables and wires. Replace damaged items before operating.

Avoid electrical shock from contact with battery terminals. Remove all rings, watches and other jewelry.

Lifting Hazard

Use the appropriate number of people and proper lifting techniques when lifting batteries.

⚠ Improper Use Hazard

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

Lockout After Each Use

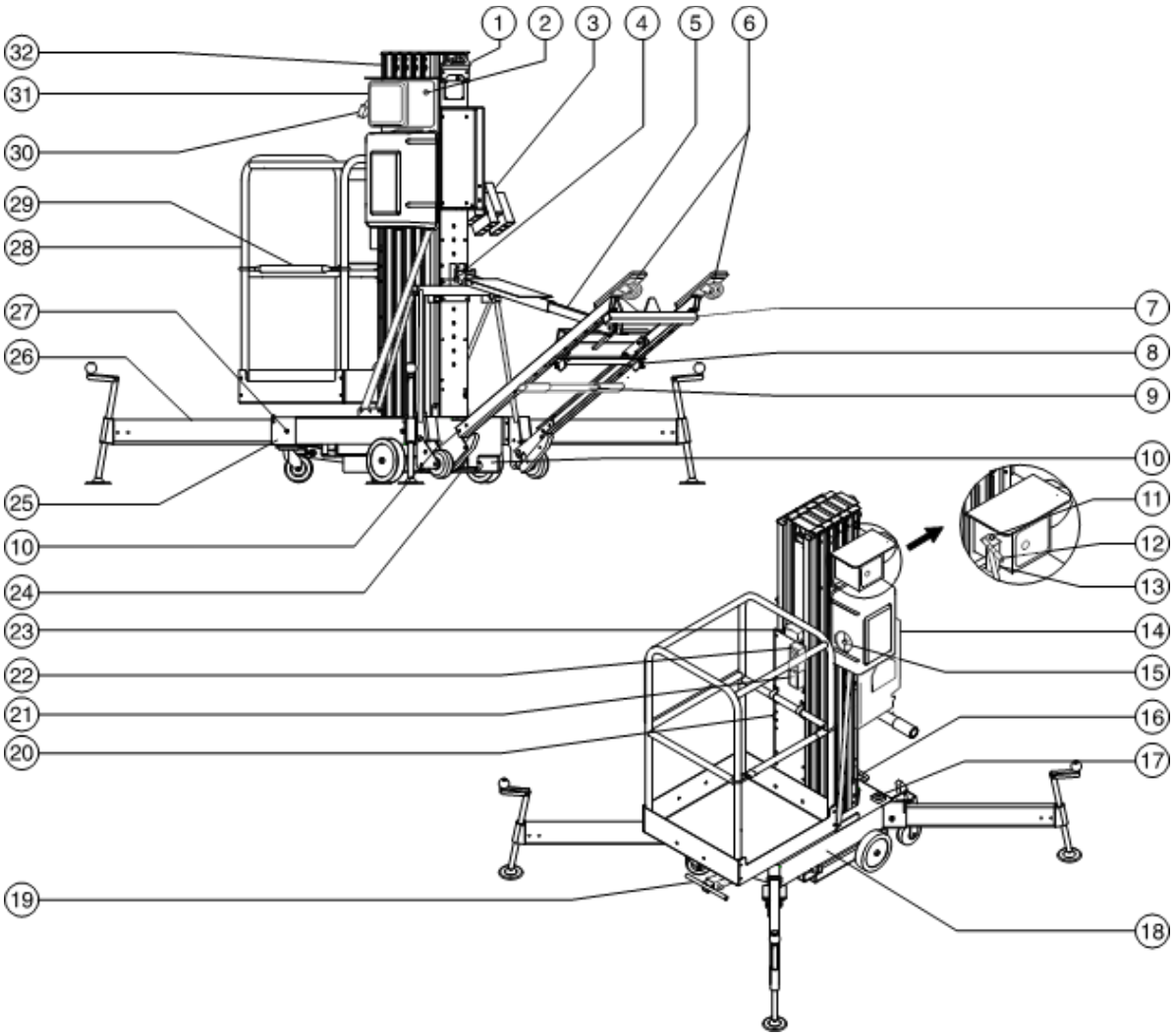
1 Select a safe parking location—firm level surface, clear of obstruction and traffic.

2 Lower the platform.

3 Turn the key switch to the off position and remove the key to secure from unauthorized use.

4 Charge the batteries.

Legend

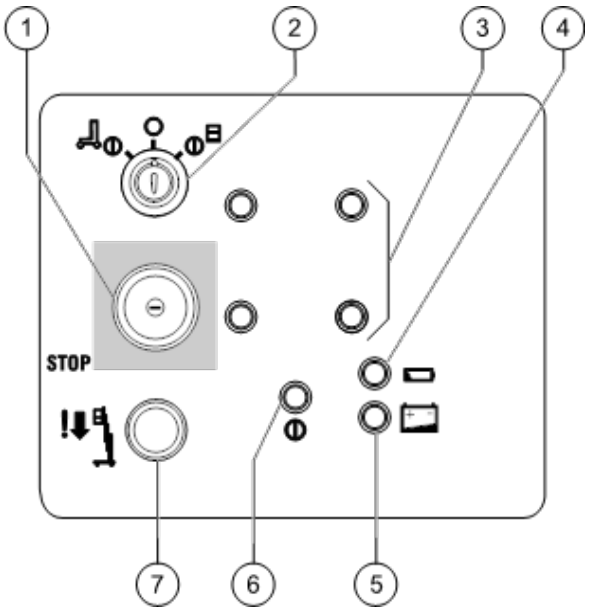


1 Lifting eye
2 AC models: Circuit breaker
3 Outrigger storage socket
4 Tilt-back frame retaining pin in strut socket
5 Tilt-back strut
6 Swivel lock
7 Tilt-back frame
8 Loading stop bracket
9 Loading pivot bar
10 Forklift pocket
11 Airline lubricator adjustment knob
12 Air supply for machine
13 Airline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

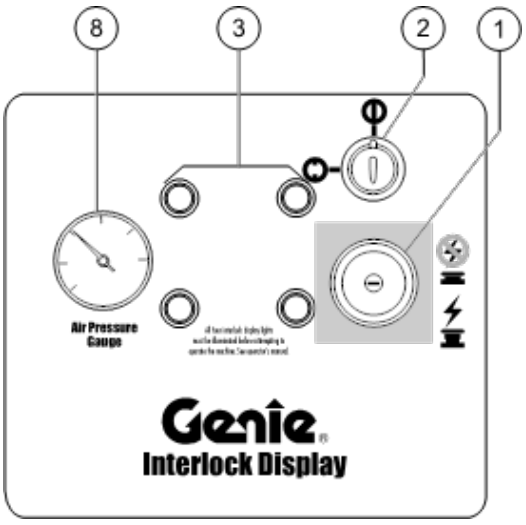
Controls

The ground control station can be used in the event of an emergency to rescue an incapacitated person in the platform.

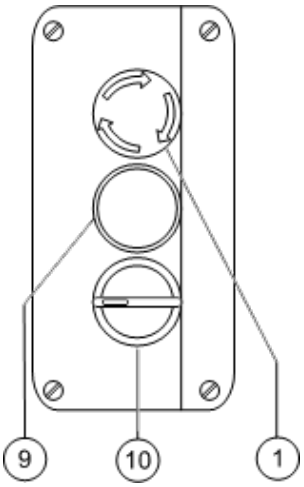
Ground controls - AC and DC Models



Ground controls - Air Models



Platform controls



1 Red 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

Inspections

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 function tests prior to use.

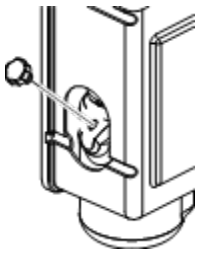
4 Inspect the workplace.

5 Only use the machine as it was intended.

Breather Cap - AC & DC Models

Component damage will occur if the machine is operated without a breather cap. Check to make sure the breather cap is in place in the hydraulic reservoir.

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



A breather cap is supplied and can be found in the manual storage box.

Pre-operation Inspection Fundamentals

It is the responsibility of the operator to perform a pre-operation inspection and routine maintenance.

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

The pre-operation inspection also serves to determine if routine maintenance procedures are required. Only routine maintenance items specified in this manual may be performed by the operator.

Refer to the list on the next page and check each of the items.

If damage or any unauthorized 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 going on to the function tests.

Scheduled maintenance inspections shall be performed by qualified service technicians, according to the manufacturer's specifications.

Inspections

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 section.
- ❑ Check for battery fluid leaks and proper fluid level. Add distilled water if needed. See Maintenance section.
- ❑ AC & DC models: Check for hydraulic oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- ❑ RT Base models: Check for proper tire pressure. Add air if needed. See Maintenance section.
- ❑ Air models: Check the oil level of the airline lubricator. See Maintenance section.
- ❑ Air models: Check the oil lubricator canister drip rate. Adjust as needed. See Maintenance section.
- ❑ Air models: Check the air filter/regulator canister. Drain water as needed. See Maintenance section.

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

- ❑ Electrical components, wiring, and electrical cables
- ❑ AC & DC models: Hydraulic power unit, reservoir, hoses, fittings, and cylinder
- ❑ Air models: Air power unit, air lines, 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
- ❑ Lanyard anchorage points
- ❑ Casters and brakes (if equipped)

Check entire machine for:

- ❑ Cracks in welds or structural components
- ❑ Dents or damage to machine
- ❑ Excessive rust, corrosion or oxidation

- ❑ Inspect and clean battery terminals and all battery cable connections.
- ❑ Verify that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.

Inspections

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.

Function Test 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.

Inspections

Function Tests

Setup

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

2 Connect to the appropriate power source.

DC models: Connect the battery pack.

AC models: Connect to a grounded 15A AC power supply. Use a 12 gauge/3.3mm^2 3-wire grounded extension cord no longer than 50 ft/13 m.

Air models: Connect the air line.

3 Insert the key and turn to platform control.

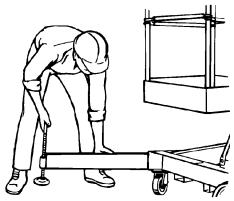
4 Pull out the red Emergency Stop button to the on position at the ground controls.

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

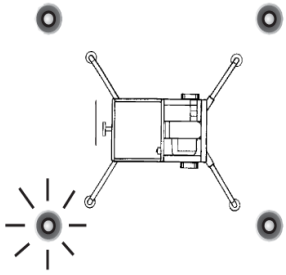
⊙ Result: AC & DC models: The power light should come on.

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 the outrigger to level the machine and raise the base casters slightly off the ground. Level the machine using only the outriggers.

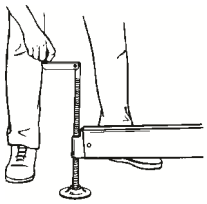


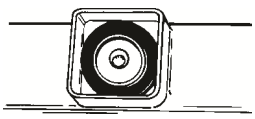
7 Check the interlock display lights at the ground controls. Confirm that the corresponding light is on.



8 Repeat this procedure for each of the remaining outriggers.

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





Inspections

Test Emergency Stop

10 Push in the ground red Emergency Stop button to the off position.

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

⊙ Result: The up/down function should not operate.

12 Push in the platform red Emergency Stop button to the off position.

13 Pull out the red Emergency Stop button at the ground controls to the on position.

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

⊙ Result: The up/down function should not operate.

Test Outrigger Interlock

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

⊙ Result: The up/down functions should operate.

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

⊙ Result: The up/down function should not operate.

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

18 Repeat this procedure for each outrigger.

Test Auxiliary Platform Lowering - AC & DC Models

19 Raise the platform slightly.

20 Disconnect the power source from the machine.

21 Turn the key switch to ground control.

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

⊙ Result: The platform should lower.

23 Connect the power source to the machine.

24 Turn the key switch to platform control.

25 Raise the platform slightly.

26 Disconnect the power source from the machine.

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

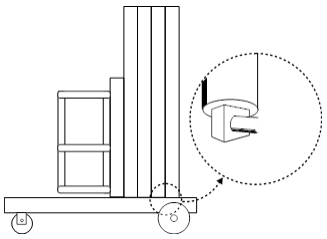
⊙ Result: The platform should lower.

28 Connect the power source to the machine.

Test Manual Lowering

29 Raise the platform slightly.

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



⊙ Result: The platform should lower.

Inspections

Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

2 Always perform a pre-operation inspection.

3 Always perform function tests prior to use.

4 Inspect the workplace.

Know and understand the workplace inspection before going on to the next section.

5 Only use the machine as it was intended.

Workplace Inspection Fundamentals

The workplace inspection helps the operator determine if the workplace is suitable for safe machine operation. It should be performed by the operator prior to moving the machine to the workplace.

It is the operator's responsibility to read and remember the workplace hazards, then watch for and avoid them while moving, setting up, and operating the machine.

Workplace Inspection Checklist

Be aware of and avoid the following hazardous situations:

- ❑ drop-offs or holes
- ❑ bumps, floor obstructions, or debris
- ❑ sloped surfaces
- ❑ unstable or slippery surfaces
- ❑ 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

Inspections

Inspection for Decals with Symbols

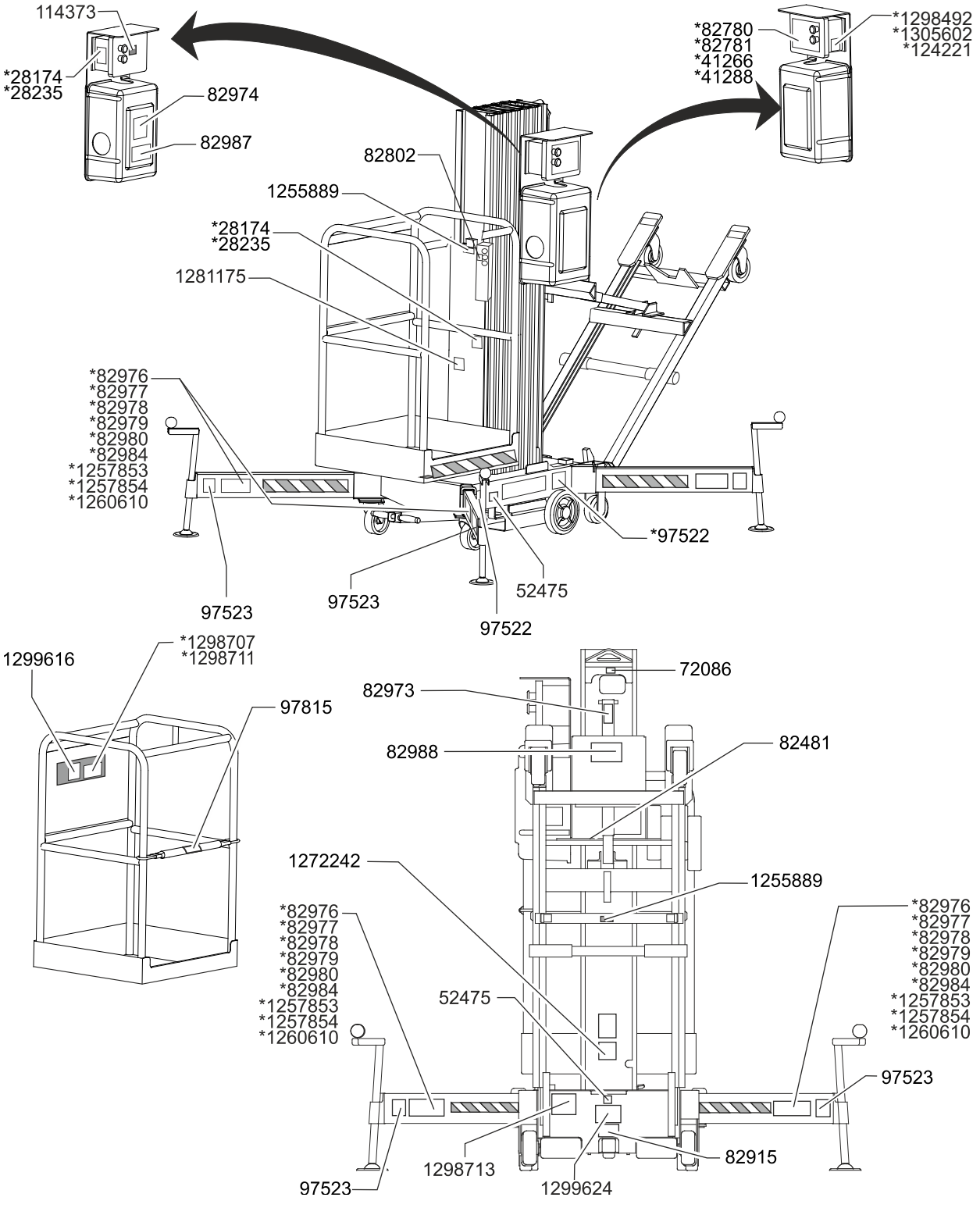
Use the inspection to verify that all decals are legible and in place.

Part No.	Decal Description	Qty
28174	Label – Power to Platform, 230V*	2
28235	Label – Power to Platform, 115V*	2
41266	Label - Interlock Display, Air Models, Standard Base*	1
41288	Label - Interlock Display, Air Models, NB/RT Base*	1
52475	Label – Transport Tie Down	3
72086	Label – Lifting Point	1
82481	Label – Battery/Charger Safety	1
82780	Label - Interlock Display AC, DC, standard models*	1
82781	Label - Interlock Display, AC, DC, NB/RT models*	1
82802	Label - Function Enable	1
82915	Label - Manual Lowering Valve	1
82973	Warning - Insert Pin	1
82974	Warning - Collision Hazard	1
82976	Danger - Wind Speed, 20 in/51 cm Outrigger*	4
82977	Danger - Wind Speed, 26 in/66 cm Outrigger*	4
82978	Danger - Wind Speed, 30.5 in/77 cm Outrigger*	4
82979	Danger - Wind Speed, 36 in/91 cm Outrigger*	4
82980	Danger - Wind Speed, 40 in/102 cm Outrigger*	4
82984	Danger - Wind Speed, 85 in/216 cm Outrigger*	4
82987	Danger - Electrocution Hazard	1
82988	Label - Read the Manual, Tilt-back Frame	1
97522	Label - Wheel Load	4
97523	Label - Outrigger Load	4
97815	Label – Lower Mid-rail	1
114373	Danger – Electrocution Hazard	1
124221	Label – Input Power, 110VAC*	1
1255889	Label – Read the Manual	2
1257853	Danger - Wind Speed, 75 in/191 cm Outrigger*	4
1257854	Danger - Wind Speed, 60 in/152 cm Outrigger*	4
1260610	Danger - Wind Speed, 46 in/117 cm Outrigger*	4
1272242	Label – Machine Registration	1
1281175	Label – Lanyard Anchorage Point, Fall Restrained	1
1298492	Label – Input Power, 100VAC*	1
1298707	Notice – Max. Capacity 350 lbs, AWP*	1
1298711	Notice – Max. Capacity 300 lbs, AWP*	1
1298713	Label - Transport Diagram	1
1299616	Decal - Warning, Platform Locate Light, Symbol	1
1299624	Decal - Hazard, Load Shift	1
1305602	Label – Input Power, 220VAC, 12A*	1

Shading indicates decal is hidden from view, i.e. under covers

* These decals are model, option or configuration specific.

Inspections



Operating Instructions

Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

2 Always perform a pre-operation inspection.

3 Always perform function tests prior to use.

4 Inspect the workplace.

5 Only use the machine as it was intended.

Fundamentals

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

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

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 preoperation inspection, function tests and a work place inspection before using the machine.

Operating Instructions

Setup

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

2 Connect to the appropriate power source.

DC models: Connect the battery pack.

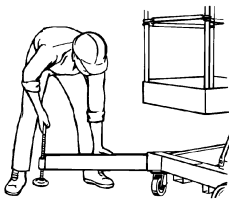
AC models: Connect to a grounded 15A AC power supply. Use a 12 gauge/3.3mm^2 3-wire grounded extension cord no longer than 50 ft/13 m.

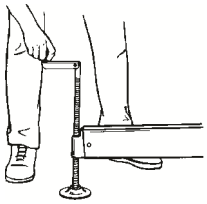
Air models: Connect the air line.

3 Insert the key and turn to platform control.

4 Pull out the red Emergency Stop button at the ground controls and twist to release the red Emergency Stop at the platform controls. Be sure the power light is on or the air pressure gauge reads 80-110 psi/5.5 - 7.8 bar.

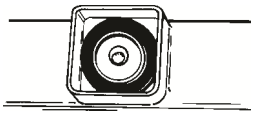
5 Install the outriggers and adjust to level the machine and raise the base casters slightly off the ground.





6 Be sure all four interlock display lights at the ground controls are on and all four outriggers are in firm contact with the ground.

7 Use the bubble level to make sure the machine is level.



Note: If adjustment is necessary, check the bubble level and interlock display again to make sure the machine is level and all four interlock display lights are on.

Emergency Stop

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

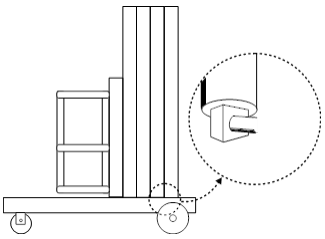
Platform Raise and Lower

1 Pull out the red Emergency Stop button to the on position at the ground controls. Twist to release the red Emergency Stop button at the platform controls.

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

Manual Lowering

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



Operating Instructions

Auxiliary Platform Lowering - AC & DC Models

1 Turn the key switch to ground control. Pull out the red Emergency Stop button to the on position.

2 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 Apply the caster brakes (if equipped) or chock the wheels to prevent the machine from rolling.

3 Remove the key to secure from unauthorized use.

4 DC models: Charge the batteries.

Maintenance

Observe and Obey:

☑ Only routine maintenance items specified in this manual shall be performed by the operator.

☑ Scheduled maintenance inspections shall be completed by qualified service technicians, according to the manufacturer's specifications.

☑ Dispose of material in accordance with governmental regulations.

Maintenance Symbols Legend

NOTICE

The following symbols have been used in this manual to help communicate the intent of the instructions. When one or more of the symbols appear at the beginning of a maintenance procedure, it conveys the meaning below.

Indicates that tools will be required to perform this procedure.

Indicates that new parts will be required to perform this procedure.

Check the Batteries - DC Models

Proper battery condition is essential to good machine performance and operational safety. Improper fluid levels or damaged cables and connections can result in component damage and hazardous conditions.

⚠WARNING

Electrocution hazard. Contact with hot or live circuits may result in death or serious injury. Remove all rings, watches and other jewelry.

⚠WARNING

Bodily injury hazard. Batteries contain acid. Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

NOTICE

Perform this test after fully charging the battery.

1 Put on protective clothing and eye wear.

2 Remove the battery vent caps.

3 Check the battery acid level. If needed, replenish with distilled water to the bottom of the battery fill tube. Do not overfill.

4 Install the battery vent caps.

Maintenance

Check the Hydraulic Oil Level

Maintaining the hydraulic oil at the proper level is essential to machine operation. Improper hydraulic oil levels can damage hydraulic components. Daily checks allow the inspector to identify changes in oil level that might indicate the presence of hydraulic system problems.

1 Be sure the platform is fully lowered.

2 Check the sight gauge on the side of the hydraulic reservoir.

⊙ Result: The hydraulic oil level should be visible in the middle of the sight gauge. Do not overfill.

Hydraulic oil specifications	
Hydraulic oil type	Chevron Rando HD equivalent

Check the Tire Pressure - RT Base Models

It is essential to maintain proper pressure in all airfilled tires. Improperly inflated tires can affect machine handling.

1 Check each tire with an air pressure gauge. Add air as needed.

The proper air pressure is stamped on the tire.

Check the Air Line Lubricator Oil Level - Air Models

Maintaining the proper oil level in the lubricator canister is essential to safe operation and good machine performance. Failure to keep the lubricator canister at the proper oil level could result in unsafe operating conditions and possible component damage.

1 Be sure the platform is fully lowered.

2 Inspect the lubricator canister for the proper oil level.

⊙ Result: The oil level must be within 1/2 inch/12.7 mm from the top of the lubricator canister.

3 To add oil, remove the oil lubricator canister from the lubricator base and fill with oil. Install the canister back onto the lubricator base.

Oil Specifications	
Oil type	10W automotive engine oil

Check the Oil Lubricator Canister Drip Rate - Air Models

Maintaining the proper oil drip rate into the lubricator canister is essential to safe operation and good machine performance. Failure to maintain the proper drip rate could result in machine component damage.

1 While raising the platform, visually inspect the oil lubricator sight gauge.

⊙ Result: There should be a maximum of 1 to 2 drops of oil visible in the sight gauge.

2 To adjust the drip rate, turn the oil flow control valve clockwise to decrease the flow or counterclockwise to increase the flow.

3 Repeat this procedure until the proper oil drip rate is achieved.

Check the Air Filter/Regulator Canister - Air Models

It is essential to drain the air filter/regulator canister of water to ensure good air motor performance and service life. A water-filled canister could cause the air motor to perform poorly and continued use could cause component damage.

1 Check the air filter/regulator canister for any water accumulation.

2 If water is visible, loosen the drain plug at the bottom of the canister and allow the water to drain out.

3 Tighten the drain plug.

Scheduled Maintenance

Maintenance performed quarterly, annually and every two years must be completed by a person trained and qualified to perform maintenance on this machine according to the procedures found in the service manual for this machine.

Machines that have been out of service for more than three months must receive the quarterly inspection before they are put back into service.

Battery Charging Instructions

Battery and Charger Instructions

Observe and Obey:

- ☑ Do not use an external charger or booster battery.
- ☑ Charge the battery in a well-ventilated area.
- ☑ Use proper AC input voltage for charging as indicated on the charger.
- ☑ Use only a Genie authorized battery and charger.

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. 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. The charger will turn off automatically when the battery is fully charged.
7. 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

Transport Instructions

Observe and Obey:

- ☑ Be sure the transport vehicle capacity and loading surfaces are sufficient to support the machine weight. See the serial label for the machine weight. Some pick-up truck tailgates are not strong enough to support the weight of the machine and may require reinforcement.
- ☑ Do not load the machine onto a transport vehicle unless it is parked on a level surface.
- ☑ The transport vehicle must be secured to prevent rolling while the machine is being loaded.
- ☑ The machine must be securely fastened to the transport vehicle. Use chains or straps of ample load capacity.
- ☑ Be sure to lock both swivel casters on the tilt-back frame.
- ☑ Do not transport with the machine resting on the tilt-back frame.

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.

Transport Instructions

Loading for Transport

1 Fully lower the platform.

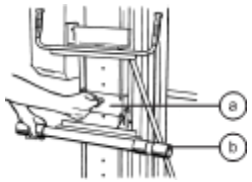
2 Push in the red Emergency Stop buttons, turn the key switch to the off position and remove the key.

3 Remove the outriggers from the base and place them in the storage sockets.

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

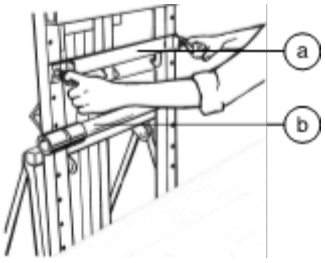
5 Inspect the entire machine for loose or unsecured items.

6 Slide the stop bracket to the top lock position.



All models without tilt-back frame

a stop bracket
b loading pivot

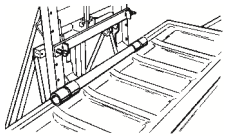


All models with tilt-back frame

a stop bracket
b loading pivot

7 Hook the loading pivot to the stop bracket.

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



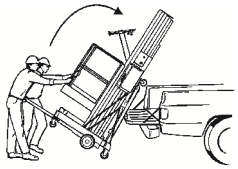
9 All models with tilt-back frame:

Be sure both stop bracket lock pins are fully locked.

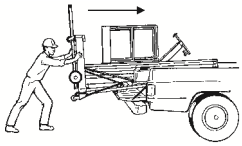
Be sure both tilt-back frame swivel casters are locked.

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

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



12 Carefully push the machine into the transport position.



13 Return the sliding T-handle to the stowed position.

14 Secure the machine base and mast to the transport vehicle. See Securing the Machine on the next page.

15 Reverse this procedure to unload the machine.

Transport Instructions

Winching the Machine onto a Flatbed Truck

1 Fully lower the platform.

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

3 Remove the outriggers from the base and place them in the storage sockets.

4 Inspect the entire machine for loose or unsecured items.

5 Connect the cable to the winching point located at the rear of the base.

6 Carefully winch the machine onto the truck.

7 Secure the machine base and mast to the transport vehicle. See Securing the Machine.

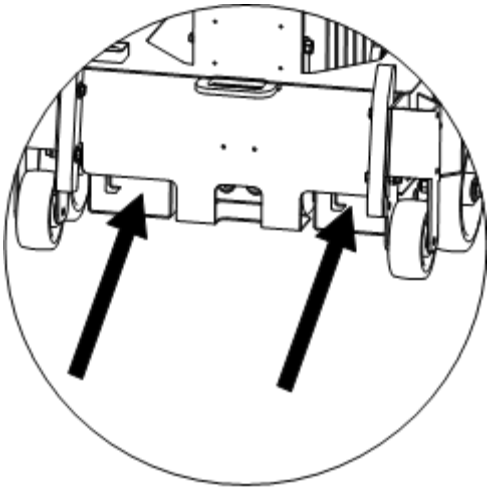
Lifting the Machine with a Forklift

Inspect the entire machine and remove any loose or unsecured items.

Fully lower the platform. The platform must remain lowered during all loading and transport procedures.

The battery pack must be removed before lifting the machine with a forklift. Disconnect the battery plug before removing the battery pack.

Use the forklift pockets located in the rear of the chassis. Forklift pockets are only available on AWP's with a standard base. AWP's with a narrow base or a rough terrain base cannot be lifted with a forklift.



Position the forklift forks in position with the forklift pockets.

Drive forward to the full extent of the forks.

Raise the machine 6 in / 15 cm and then tilt the forks back slightly to keep the machine secure.

Be sure the machine is level when lowering the forks.

Transport Instructions

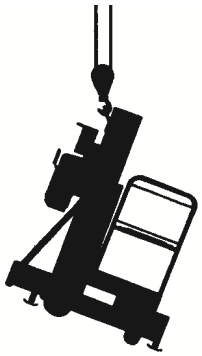
Loading the Machine With a Crane

Use the lifting eye mounted on the rear mast column.

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

Inspect the entire 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.

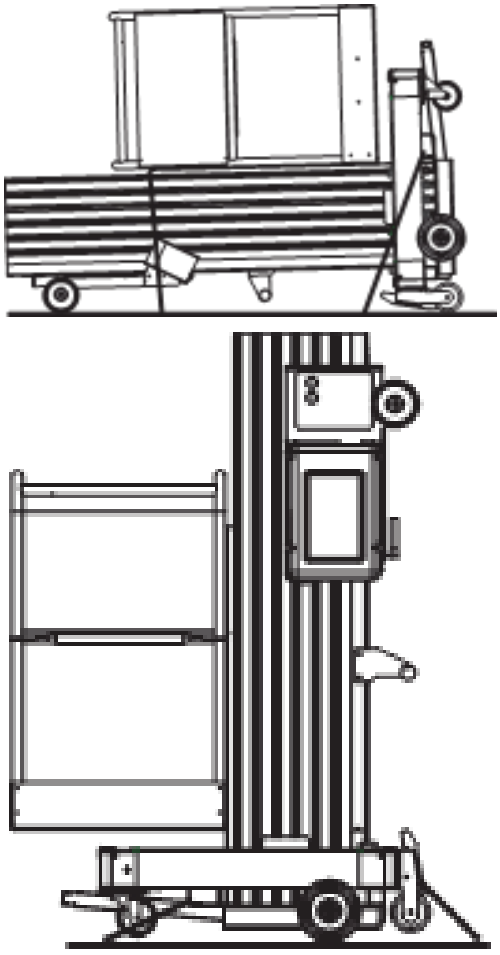


Securing the Machine

Use chains or straps of ample load capacity.

Use a minimum of 2 chains or straps.

Adjust the rigging to prevent damage to the chains.



Tilt-back Operation Instructions

Tilt-back Operation Instructions

Observe and Obey:

☑ The retaining pin must be inserted to prevent the spring-loaded tilt-back frame from dropping.

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

☑ Do not stand behind or under the tilt-back frame when raising or lowering it.

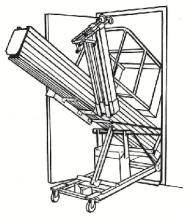
Tilt-back Instructions

The number of people required to lower and raise a machine using the tilt-back assembly, 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 number of times the machine will be lowered and raised using the tilt-back assembly
- 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.

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 models, and optional on standard base AWP-15S, 20S, 25S and 30S models. The tilt-back frame is not available on narrow base machines or rough terrain base machines.

Tilt-back Operation Instructions

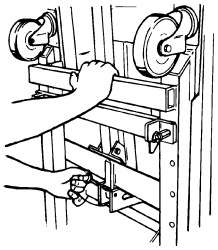
Lowering the Tilt-back Assembly

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

2 Fully lower the platform.

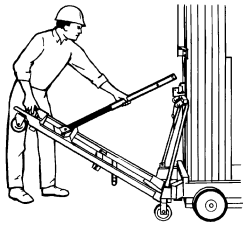
3 Remove the outriggers from the base and place them in the storage sockets.

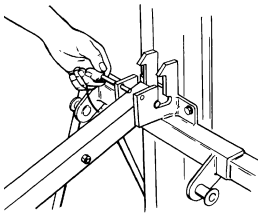
The tilt-back frame is spring loaded and will immediately fall outward when the retaining pin is removed. Maintain a firm grasp on the tiltback frame and remove the retaining pin.



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

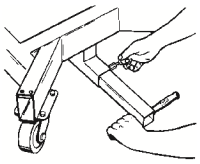
5 Insert the retaining pin into the strut socket.



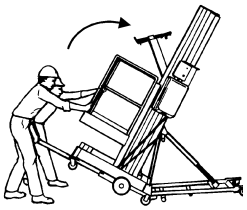


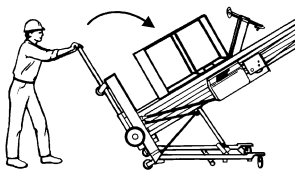
Tilting Back the Machine

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



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





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

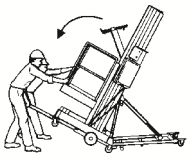
4 Return the sliding T-handle to the stowed position.

Tilt-back Operation Instructions

Returning the Machine to Standing Position

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

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



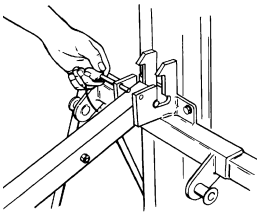
3 Carefully pull down the T-handle until the machine rests at mid-tilt position.

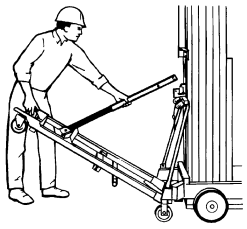
4 Lower the machine with the T-handle until the base casters are in contact with the ground. Use the appropriate number of people and proper lifting techniques.

5 Return the sliding T-handle to the stowed position.

Stowing the Tilt-back Assembly

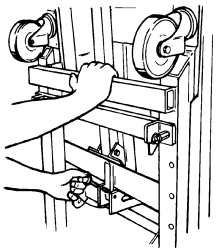
1 Remove the retaining pin.





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

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



Specifications

Machine Specifications	
Height, working maximum	
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-20S	20 ft 1 in/6.1 m
AWP-25S	24 ft 9 in/7.5 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
Height, stowed	
AWP-20S, 25S, 30S	78 in/2.0 m
AWP-36S, 40S	109.5 in/2.8 m
Width, All models	
Standard base	29 in/73.6 cm
Narrow base	22 in/55.8 cm
Rough terrain base	29.5 in/75 cm
Length, AWP-20S	
Standard base	49 in/124.5 cm
Narrow base	49.8 in/126.5 cm
Rough terrain base	63 in/160 cm
Length, AWP-25S	
Standard base	51.5 in/130.8 cm
Narrow base	52.3 in/132.8 cm
Rough terrain base	63 in/160 cm
Length, AWP-30S	
Standard base	53 in/134.6 cm
Narrow base	54.8 in/139.2 cm
Rough terrain base	63 in/160 cm
Length, AWP-36S	
Standard base	55 in/139.7 cm
Length, AWP-40S	
Standard base	56 in/142.2 cm
Weight	See Serial Label
Wheel load, maximum	509 lbs/231 kg
Outrigger load, maximum	400 lb/181 kg

Lift capacity	
AWP-20S, 25S, 30S, 36S	350 lbs/159 kg
AWP-40S	300 lbs/136 kg
Power source	
DC Model	12V
AC Model	110V or 220V
Air Model	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	
Sound pressure level at ground workstation	<70 dBA
Sound pressure level at platform workstation	<70 dBA
Total vibration value to which the hand/arm system is subjected does not exceed 2.5 m/s^2.	
Highest root mean square value of weighted acceleration to which the whole body is subjected does not exceed 0.5 m/s^2.	
Platform dimensions (length x width)	
Standard platform gated or sliding mid-rail	27 x 26 x 44.75 in 69 cm x 66 cm x 1.1 m
Gated ultra-narrow platform	22 x 18 x 44.75 in 56 cm x 46 cm x 1.1 m
Gated narrow platform	26 x 20 x 44.75 in 66 cm x 51 cm x 1.1 m
Standard fiberglass platform	29 x 26.5 x 43.5 in 74 cm x 67 cm x 1.1 m
Narrow fiberglass platform	26 x 22 x 43.5 in 66 cm x 56 cm x 1.1 m

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

Specifications

Outrigger Specifications - Standard base	AWP-20S	AWP-25S	AWP-30S
Outrigger footprint (l x w) Indoor	60.75 x 52.75 in 1.5 x 1.3 m	69.25 x 61.25 in 1.8 x 1.6 m	75.50 x 67.50 in 1.9 x 1.7 m
Outrigger footprint (l x w) Outdoor	97 x 89 in 2.46 x 2.26 m	117.25 x 109.5 in 3.0 x 2.8 m	117.25 x 109.50 in 3.0 x 2.8 m
Corner access/wall access* Indoor	14.50/5.50 in 36.9/7.4 cm	19.25/7.25 in 48.6/18.2 cm	22.25/8 in 56.5/20.3 cm
Corner access/wall access* Outdoor	30/16.75 in 76/42.4 cm	32.50/17 in 82.5/43.4 cm	50.75/28.75 in 1.3 m/73 cm
* Corner of platform top rail to corner of wall with ability to rotate leveling jack.			

Outrigger Specifications - Standard base	AWP-36S	AWP-40S
Outrigger footprint (l x w) Indoor	83.25 x 75.25 in 2.1 x 1.9 m	89 x 81 in 2.3 x 2.0 m
Outrigger footprint (l x w) Outdoor	139 x 131 in 3.5 x 3.3 m	153 x 145 in 3.9 x 3.7 m
Corner access/wall access* Indoor	28.50/14.25 in 72.7/36.2 cm	31.25/14.50 in 79.4/37.1 cm
Corner access/wall access* Outdoor	52/31.25 in 1.3 m/79.3 cm	50.75/28.75 in 1.3 m/73 cm
* Corner of platform top rail to corner of wall with ability to rotate leveling jack.		

Outrigger Specifications - Narrow base / Rough terrain base	AWP-20S	AWP-25S	AWP-30S
Outrigger footprint (l x w) Indoor Use Only	71.25 x 58 in 1.8 x 1.5 m	71.25 x 58 in 1.8 x 1.5 m	83 x 74 in 2.1 x 1.8 m
Narrow Base or Rough Terrain base machines are Indoor Use Only, even with longer outriggers.			
Corner access/wall access* Indoor	21/12.25 in 53.3/31.1 cm	19.50/9.75 in 49.5/24.7cm	22/9 in 55.8/22.8 cm
* Corner of platform top rail to corner of wall with ability to rotate leveling jack.			

Specifications

Contents of EC Declaration of Conformity

<Manufacturer’s name> hereby declares that the machinery described below complies with the provisions of the following Directives:

1. EC Directive 2006/42/EC, Machinery Directive, under consideration of harmonized European standard EN280 as described in EC type-examination certificate <variable field> issued by:

<notified body's name>

<notified body's number>

2. EC Directive EMC: 2014/30/EU, under consideration of harmonized European standard EN 61000-6-2 and EN 61000-6-4

3. EC Directive 2000/14/EC, Noise Directive, under consideration of Annex V and harmonized standard EN ISO 3744, internal combustion engine only.

Test Report:
This machine has been tested and passed the following categories prior to entering the market:

1. BRAKES: Brakes working properly in forward and reverse.
2. OVERLOAD: Overload tested at XXX% rated load.
3. FUNCTIONAL: Smooth operation at XXX% rated load.
4. FUNCTIONAL: All safety devices working correctly.
5. FUNCTIONAL: Speeds set within permitted specification.

Model / Type: <machine type>	Manufacture Date: <variable field>
Description: <machine classification>	Country of Manufacture: <variable field>
Model: <model name>	Net Installed Power: <only for IC machines>
Serial Number: <variable field>	Guaranteed Sound Power Level: <only for IC machines>
VIN: <where applicable>	
Manufacturer: <Manufacturer’s name>	Authorized Representative: Genie Industries B.V Boekerman 5, 4751 XK Oud Gastel, The Netherlands
Empowered signatory:	Place of Issue: <variable field> Date of Issue: <variable field>

Specifications

Contents of UK Declaration of Conformity

<Manufacturer’s name> hereby declares that the machinery described below complies with the provisions of the following Legislation:

1. Supply of Machinery (Safety) Regulations 2008 (SI 2008/1597) as amended (SI 2011/1043, SI 2011/2157, SI 2019/696) under consideration of designated standard EN280 as described in type-examination certificate <variable field> issued by:

<notified body's name>

<notified body's number>

2. Electromagnetic Compatibility Regulations 2016 (SI 2016/1091) as amended (SI 2017/1206, SI 2019/696) under consideration of designated standard EN 61000-6-2 and EN 61000-6-4

3. Noise Emissions in the Environment by Equipment for use Outdoors Regulations 2001 (SI 2001/1701) as amended (SI 2001/3958, SI 2005/3525, 2015/98) under consideration of Annex V and designated standard EN ISO 3744, internal combustion engine only.

Test Report:
This machine has been tested and passed the following categories prior to entering the market:

1. BRAKES: Brakes working properly in forward and reverse.
2. OVERLOAD: Overload tested at XXX% rated load.
3. FUNCTIONAL: Smooth operation at XXX% rated load.
4. FUNCTIONAL: All safety devices working correctly.
5. FUNCTIONAL: Speeds set within permitted specification.

Model / Type: <machine type>	Manufacture Date: <variable field>
Description: <machine classification>	Country of Manufacture: <variable field>
Model: <model name>	Net Installed Power: <only for IC machines>
Serial Number: <variable field>	Guaranteed Sound Power Level: <only for IC machines>
VIN: <where applicable>	
Manufacturer: <Manufacturer’s name>	Authorized Representative: Genie UK Ltd The Maltings Wharf Road Grantham NG31 6BH
Empowered signatory:	Place of Issue: <variable field>
	Date of Issue: <variable field>

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