Genie
A TEREX BRAND

Operator's Manual

Serial Number Range

Superlift® Advantage

from SLAP-85613 to SLAP-90035
from SLAD-101

with
Maintenance
Information

Original Instructions
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CE Machinery Directive 2006/42/EC
(valid until 19th January 2027)

Machinery Regulation 2023/1230/EC
(valid from 20th January 2027)

Introduction

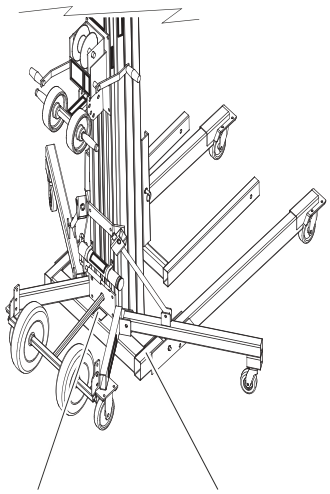
About this manual

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 label

Serial number stamped on chassis

Intended Use and Familiarization Guide

The intended use of this machine is to lift material. 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 material lift.
- ☑ Familiarization with the material lift 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, on the machine.
- ☑ For specific product applications, see **Contacting The Manufacturer**.

Introduction

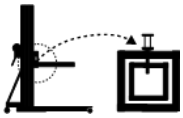
Related machine movement:



Lower the leg to down position.



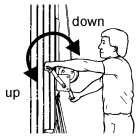
Inserting the adjustable fork



Fork pin inserted



Swivel caster lock



Raise and lowering carriage

Limitations of use:

- The intended use of this machine is to lift materials to an aerial work site.
- Do not raise the carriage unless the machine is on a firm level surface.

Stability enhancing means:

- Stabilizer (if equipped)
- Leg

Restricted operating envelope:

- Load handling attachments (See Load Capacity Charts section.)

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.

Declaration of Conformity

A copy of the original Declaration of Conformity can be obtained by visiting us on the web at https://my.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.

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.

Decal Legend

Genie product decals use symbols, color coding and signal words to identify the following:



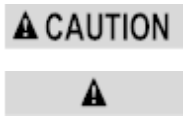
Safety alert symbol—used to alert personnel to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



Red—used to indicate the presence of an imminently hazardous situation which, if not avoided, will result in death or serious injury.



Orange—used to indicate the presence of a potentially hazardous situation which, if not avoided, could result in death or serious injury



Yellow with safety alert symbol—used to indicate the presence of a potentially hazardous situation which, if not avoided, may cause minor or moderate injury.



Yellow without safety alert symbol—used to indicate the presence of a potentially hazardous situation which, if not avoided, may result in property damage.

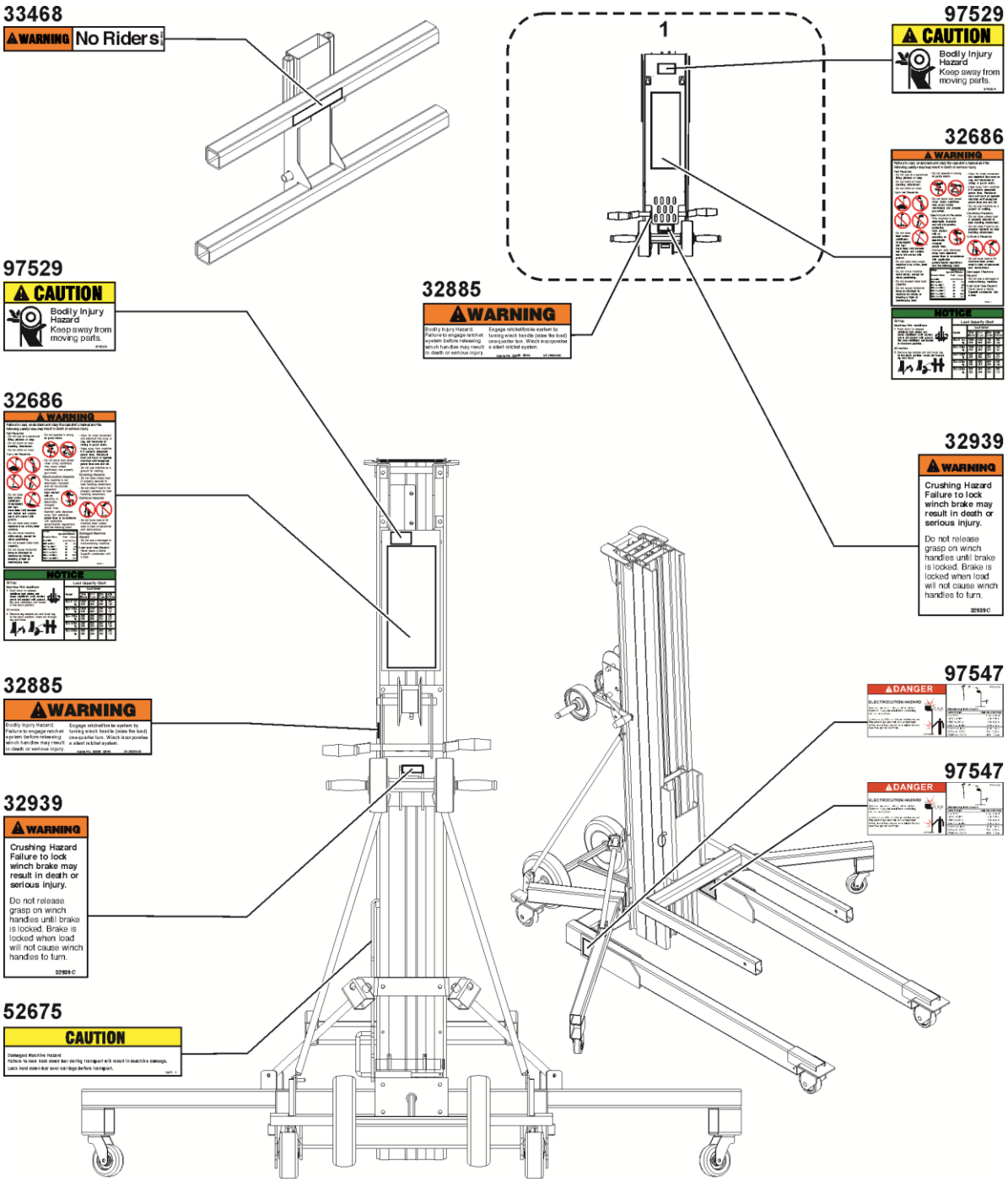


Green—used to indicate operation or maintenance information.

Symbol and Hazard Pictorials Definitions

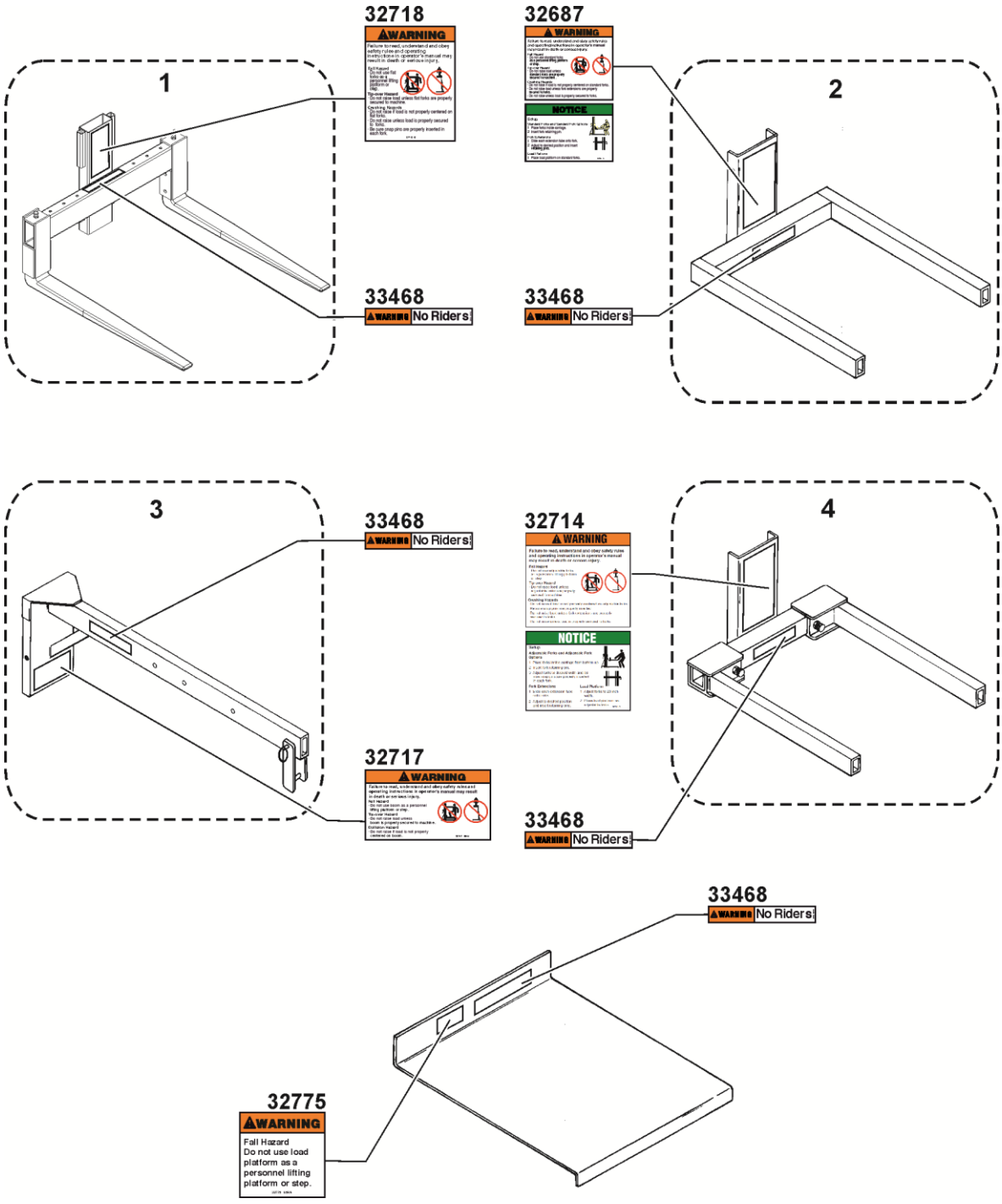
 Read the operator's manual	 Read the service manual	 Crush hazard	 No smoking	 Collision hazard
 Crush hazard	 Tip-over hazard	 Electrocution hazard	 Collision hazard	 Bodily injury hazard
 Damaged Machine Hazards	 Transport diagram	 Lifting point	 Do not operate in Strong winds	 Electrocution hazard
 Fall hazard	 Fall hazard	 Lifting point	 Release brakes	 Do not place ladder against the machine
 Do not use the machine on moving vehicle or surface				

General Safety



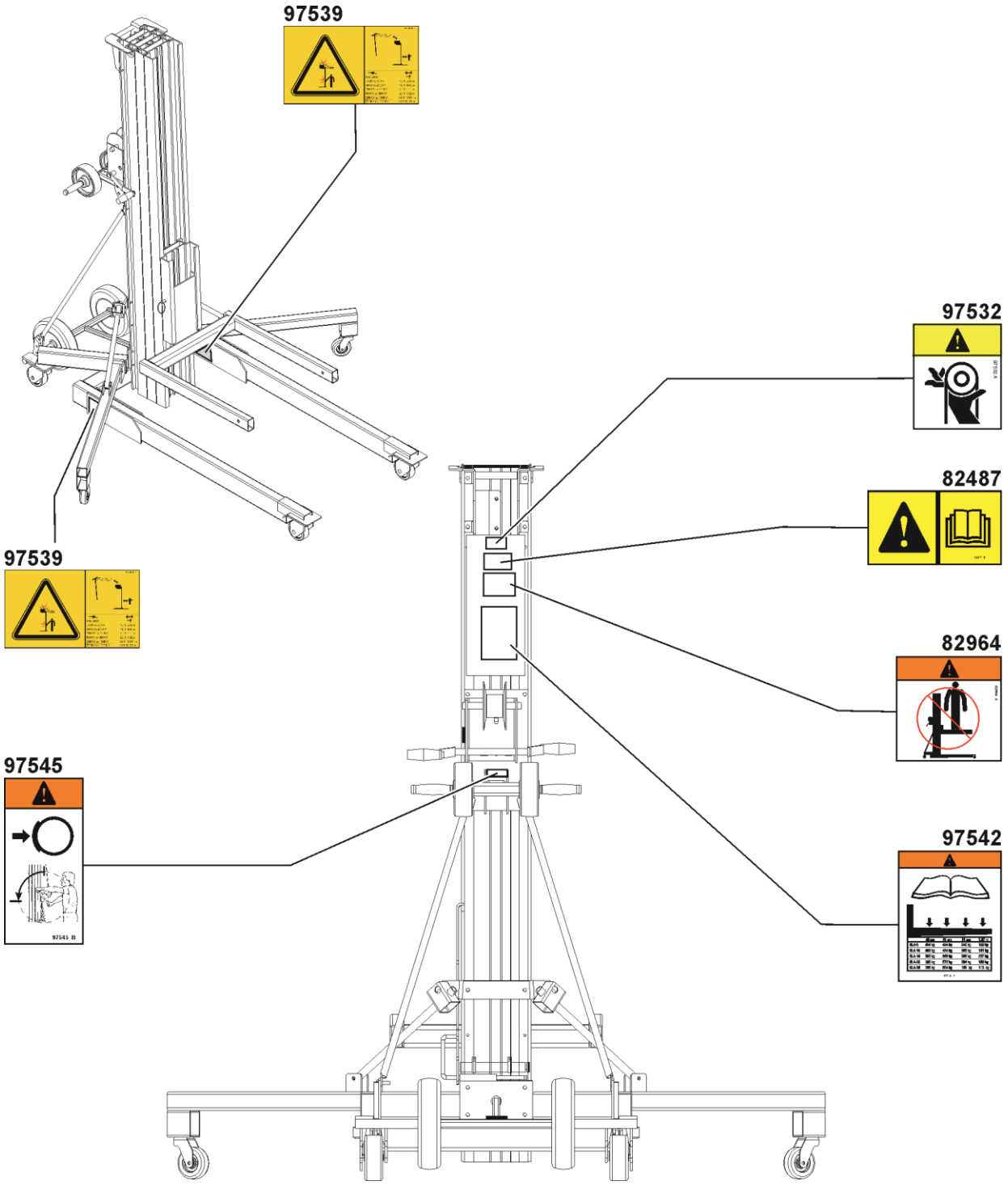
1 Australia models only

General Safety

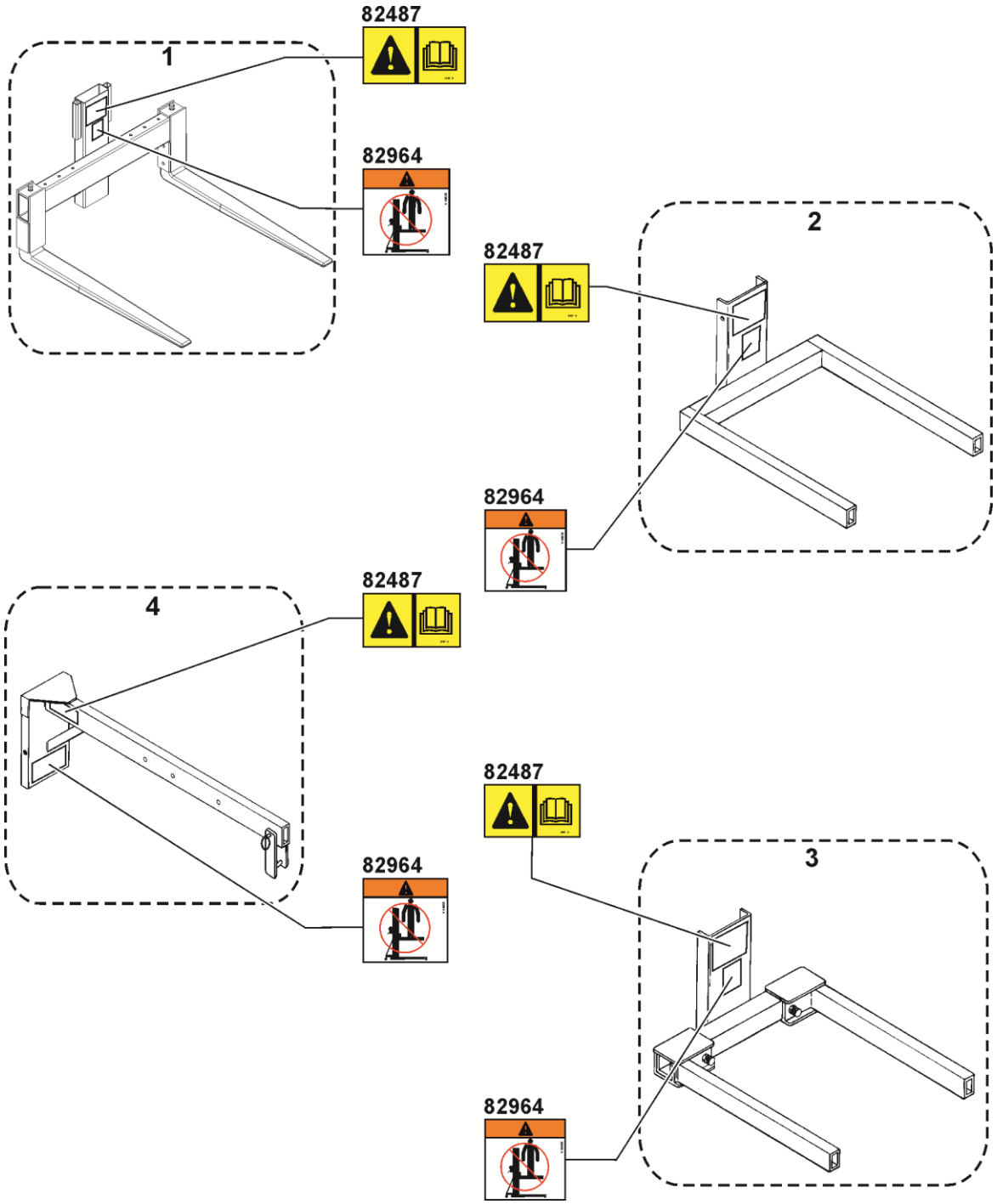


1 Adjustable Flat Forks
2 Standard Forks
3 Adjustable Forks
4 Boom

General Safety



General Safety



1 Adjustable Flat Forks
2 Standard Forks
3 Adjustable Forks
4 Boom

Work Area Safety

⚠ Electrocution Hazards

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

Keep away from the machine if it contacts energized power lines. Personnel must not touch or operate the machine until 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	
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 mast movement, electrical line sway or sag, and beware of strong or gusty winds.

Do not use the machine as a ground for welding.

⚠ Tip-over Hazards

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

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

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



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





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

Work Area Safety

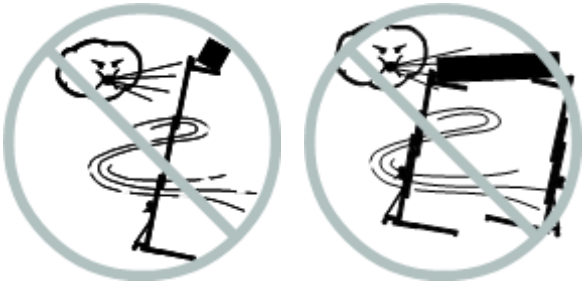
Do not raise the load unless the load handling attachment is properly secured to the machine.

Do not use blocks to level the machine.



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

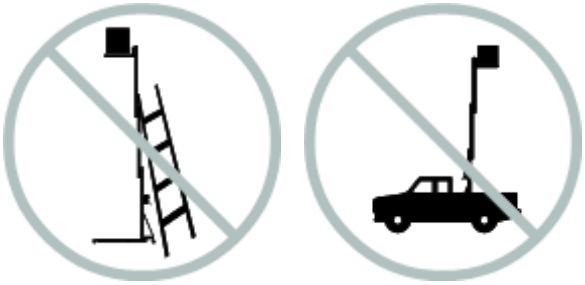
Do not operate the machine in strong or gusty winds. Increasing the load surface area will decrease machine stability in windy conditions.



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

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

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



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

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

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

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

Do not use a straddle base or the flat forks on an SLA-20 or an SLA-25.

Do not use the machine if a straddle base leg can extend beyond its travel stop.

Work Area Safety

⚠ Fall Hazards

Do not use as a personnel lifting platform or step.

Do not stand on the load handling attachments.

Do not climb on the mast.

⚠ Collision Hazards

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



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

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

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

⚠ Bodily Injury Hazard

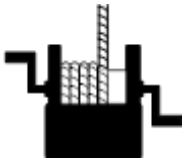
Do not grasp the cable.

⚠ Damaged Machine Hazards



Do not use a damaged or malfunctioning machine.

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



Do not use a machine with less than 4 wraps of cable on the winch drum when the carriage is fully lowered.

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

Be sure all decals are in place and legible. See Decals section.

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

Maintain proper lubrication on the winch. See *Genie Superlift Parts and Service Manual* for details.

Do not allow oil or grease on braking surfaces.

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

Work Area Safety

⚠ Crushing Hazard

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

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

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



Do not stand under the load. The mast brake system (if equipped) will allow the load to drop 1 to 3 feet / 30 to 92 cm before locking the columns.

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

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

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

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

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

Adjustable Flat Forks

Do not raise the load unless the snap pins are properly inserted in the forks.



Fork Extensions

Do not raise the load unless the fork extensions are properly secured to the forks.

⚠ Lifting Hazards

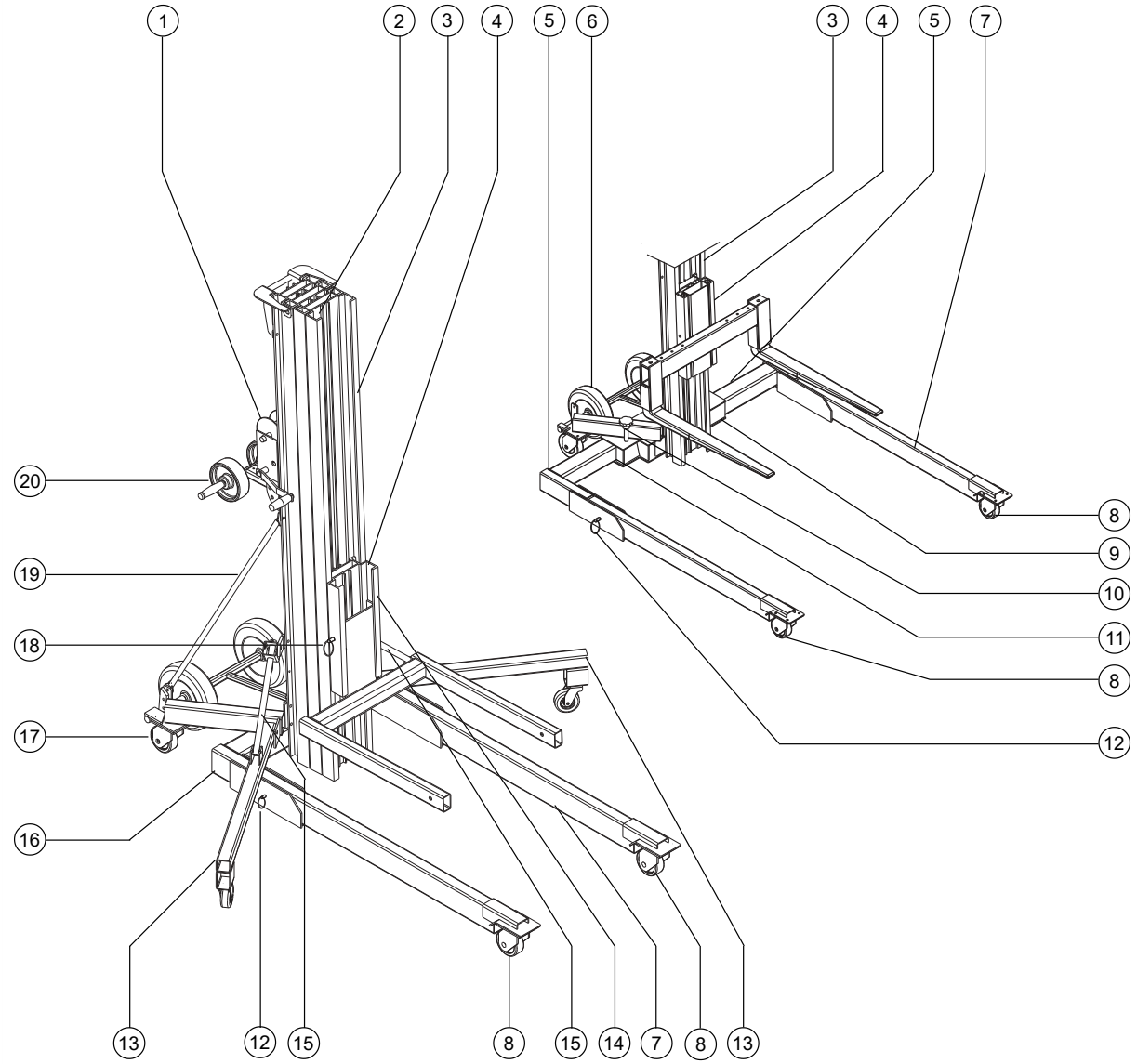
Use proper lifting techniques to load or tip the machine.

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

⚠ Improper Use Hazard

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

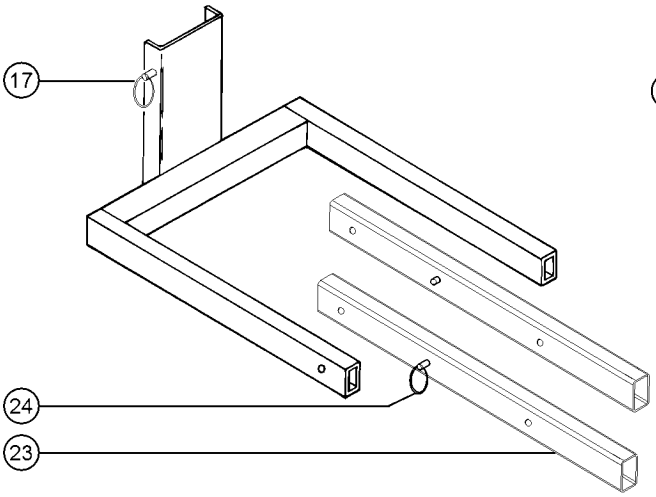
Legend



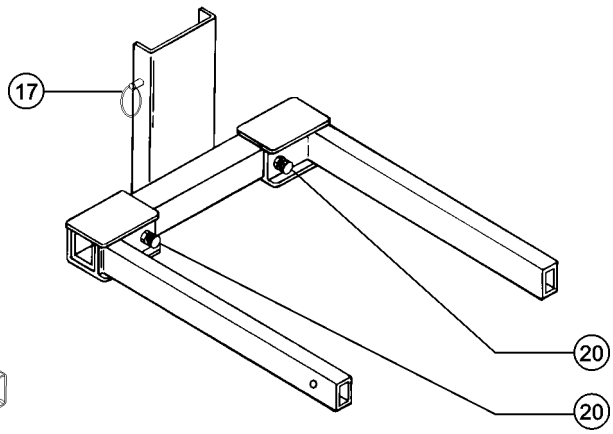
1 Winch
2 Cable
3 Mast
4 Carriage
5 Adjustable arm
6 Traveling wheels (if equipped)
7 Leg
8 Leg swivel caster
9 Straddle base
10 Arm lock knob
11 Travel stop
12 Leg retaining pin
13 Stabilizer (if equipped)
14 Hold-down bar (on opposite side of machine)
15 Stabilizer brace
16 Standard base
17 Base swivel/lock caster with brake
18 Load handling attachment retaining pin

Legend

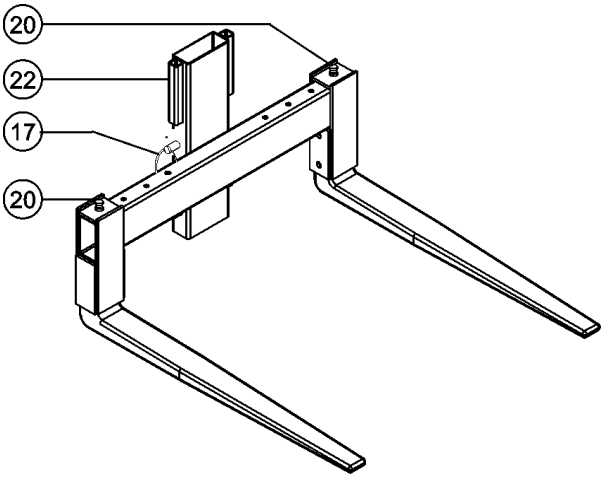
Standard Forks



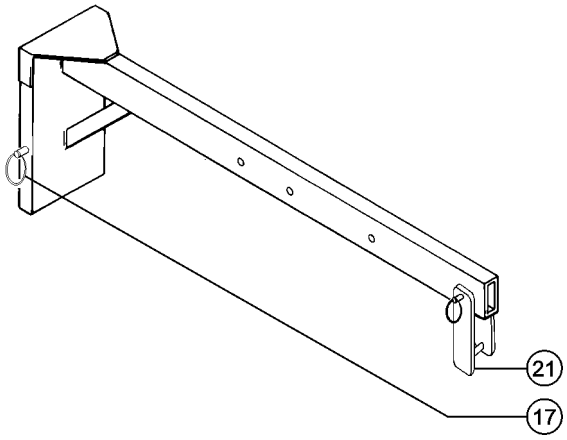
Adjustable Forks



Adjustable Flat Forks



Boom



19 Mast brace
20 Loading wheels/steer handles
21 Snap pin
22 Lifting shackle
23 Fork mounting bracket
24 Fork Extensions
25 Fork extension retaining pin

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.

Pre-operation Inspection Fundamentals

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

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.

Obey all local and governmental regulations regarding examinations and tests.

Inspections

Pre-operation Inspection

- ❑ Be sure that the operator’s manual is complete, legible and in the storage container located on the machine.
- ❑ Be sure that all decals are legible and in place. See Decals section.

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

- ❑ Winch and related components
- ❑ Base components
- ❑ Legs
- ❑ Stabilizers and latch plates (if equipped)
- ❑ Mast columns
- ❑ Exterior plastic shim for safety brake (if equipped)
- ❑ Carriage hold-down bar
- ❑ Cable anchor
- ❑ Cable and pulleys
- ❑ Wheels and casters
- ❑ Load handling attachments
- ❑ Nuts, bolts and other fasteners
- ❑ Cable (kinks, frays and abrasions)

Check entire machine for:

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

- ❑ Verify that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.
- ❑ Be sure there is a minimum of 4 wraps of cable around the winch drum when the carriage is fully lowered.

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

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

⚠ Note: Ensure the carriage hold-down bar is not over the carriage.

Setup

Machines Without Stabilizers

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



Machines With Stabilizers

1 Push down to release the stabilizer lock plates and lower the stabilizers until the casters are in full contact with the ground. Be sure the stabilizers are locked in the down position.



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



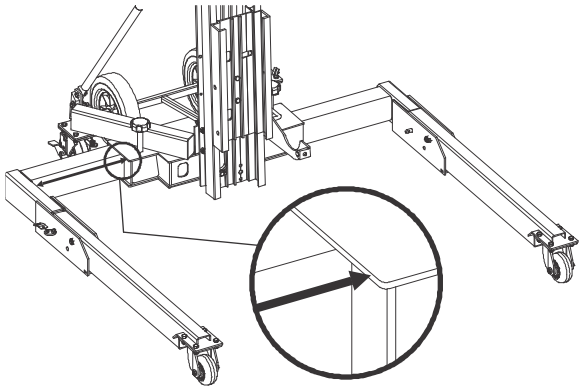
Straddle base

1 Place a 2 inch / 5.1 cm block under one leg swivel caster.

2 Loosen the arm lock knob on the opposite adjustable arm. Push down on the lock knob.

3 Position the adjustable arm to the desired width.

⚠ Note: Do not extend the adjustable arm more than 13.75 inch / 35 cm.



Distance between the adjustable arm and the edge of the straddle base should not exceed 13.75 in or 35 cm.

4 Tighten the arm lock knob while supporting the leg assembly.

5 Repeat steps 1-4 for the other arm.

Load Handling Attachments

Standard Forks and Standard Fork Options

1 Place the forks inside the carriage.

2 Insert the retaining pin.



Load Platform with Standard Forks

1 Place the load platform on the standard forks.

Pipe Cradle

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

Fork Extensions

1 Slide each extension tube onto the forks.

2 Adjust to the desired position and insert the retaining pins.

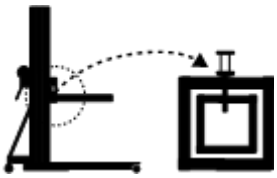
Adjustable Forks and Adjustable Fork Options

1 Place the forks inside the carriage.

2 Insert the retaining pin.



3 Adjust the forks to the desired width and be sure the snap pin is properly inserted in each fork.



Load Platform with Adjustable Forks

1 Adjust the forks to a width of 23 inches / 58.4 cm.

2 Place the load platform on the adjustable forks.

Pipe Cradle

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

Fork Extensions

1 Slide each extension tube onto the forks.

2 Adjust to the desired position and insert the retaining pins.

Inspections

Adjustable Flat Forks

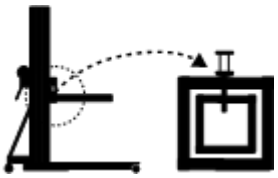
1 Place the fork mounting bracket inside the carriage.

2 Insert the retaining pin.





3 Adjust the forks to the desired width and be sure the snap pin is properly inserted in each fork.



Standard Boom

1 Place the boom inside the carriage.

2 Insert the retaining pin.





3 Attach the lifting shackle to the desired hole on the boom.

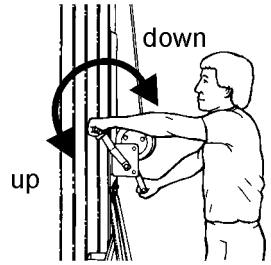
Test One-Speed Winch Operation

1 Install a load handling attachment.

2 Raise the carriage by firmly grasping the winch handles and rotating them towards the mast.

⊙ Result: The winch should operate smoothly, free of hesitation or binding.

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



⊙ Result: The winch should operate smoothly, free of hesitation or binding.

Inspections

Test Two-Speed Winch Operation

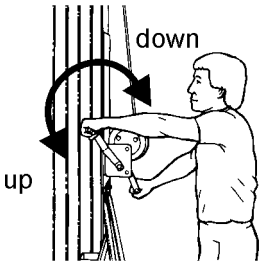
1 Install a load handling attachment.

2 Shift the winch to the slow speed.

3 Raise the carriage by firmly grasping the winch handles and rotating them towards the mast.

⊙ Result: The winch should operate smoothly, free of hesitation or binding.

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



⊙ Result: The winch should operate smoothly, free of hesitation or binding.

5 Shift the winch to the fast speed and repeat steps 3 and 4.

Test Mast Sequencing

1 Install a load handling attachment.

2 Raise the carriage to full height by firmly grasping the winch handles and rotating them towards the mast.

3 Result: The carriage should raise to the top of the front mast section, followed in consecutive order by each mast section.

4 Fully lower the carriage. After lowering to the desired position, turn the winch handles toward the mast (raise the load) 1/4 turn to set the brakes.

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

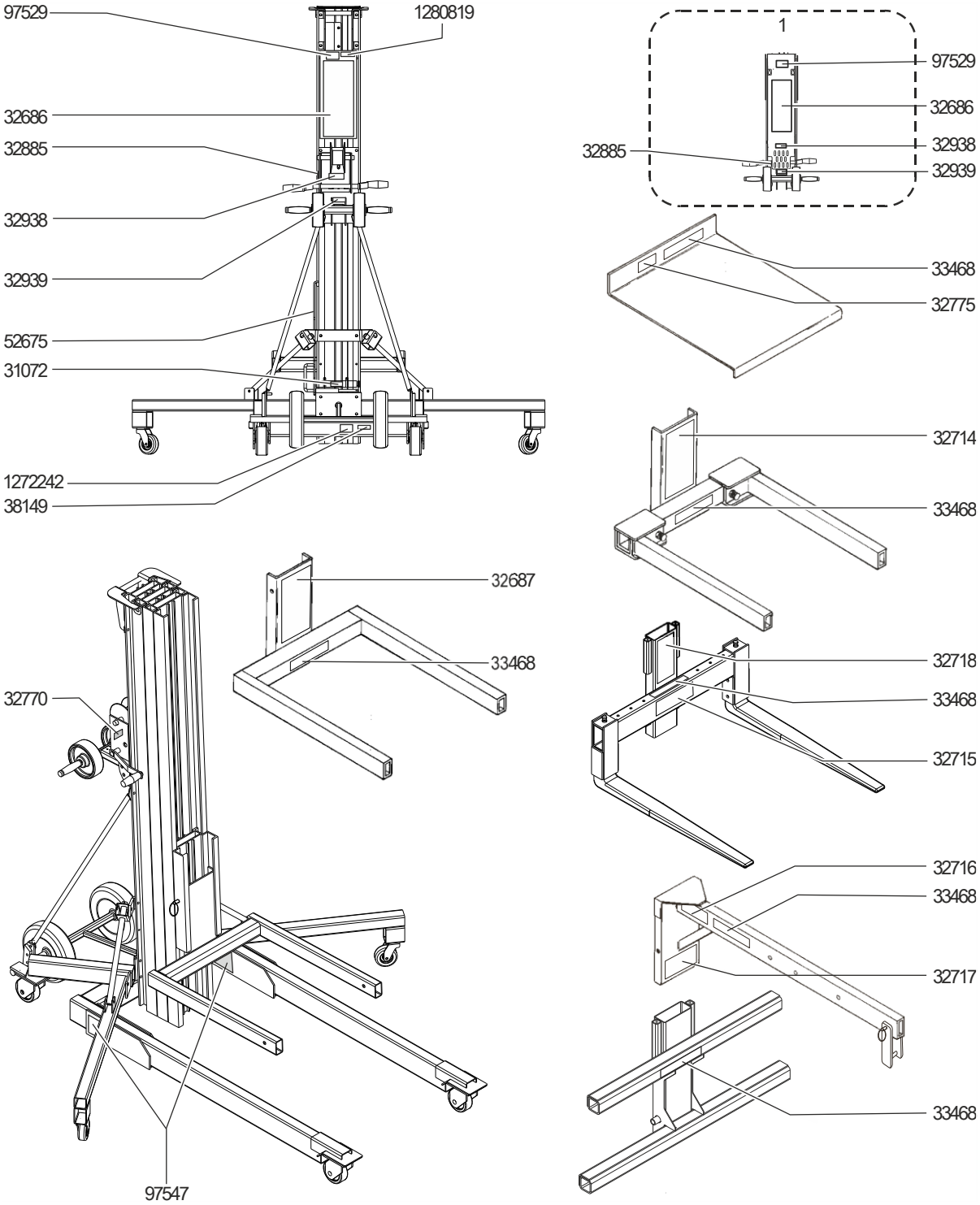
Inspection for Decals with Words

Determine whether the decals on your machine have words or symbols. Use the appropriate inspection to verify that all decals are legible and in place.

Part No.	Decal Description	Qty
31072	Label - Operator's Manual Container	1
32686	Warning - Machine Safety & Setup	1
32687	Warning - Standard Forks Safety/Setup	1
32714	Warning - Adjustable Forks Safety/Setup	1
32715	Notice - Flat Forks Setup	1
32716	Notice - Boom Setup	1
32717	Warning - Boom Safety	1
32718	Warning - Flat Forks Safety	1
32770	Notice - Two Speed Shift Instructions	1
32775	Warning - Fall Hazard, Load Platform	1
32885	Warning - Silent Winch	1
32938	Label - Use This Winch	1
32939	Warning - Crushing Hazard, Brake Lock	1
33468	Warning - No Riders	1
38149	Label – Patents	1
52675	Caution - Damaged Machine Hazard	1
97529	Caution - Bodily Injury Hazard	1
97547	Danger - Electrocution Hazard	2
1272242	Label – Machine Registration	1
1280819	Label – Warning, Prop 65	1

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

Inspections



1 Australia models only

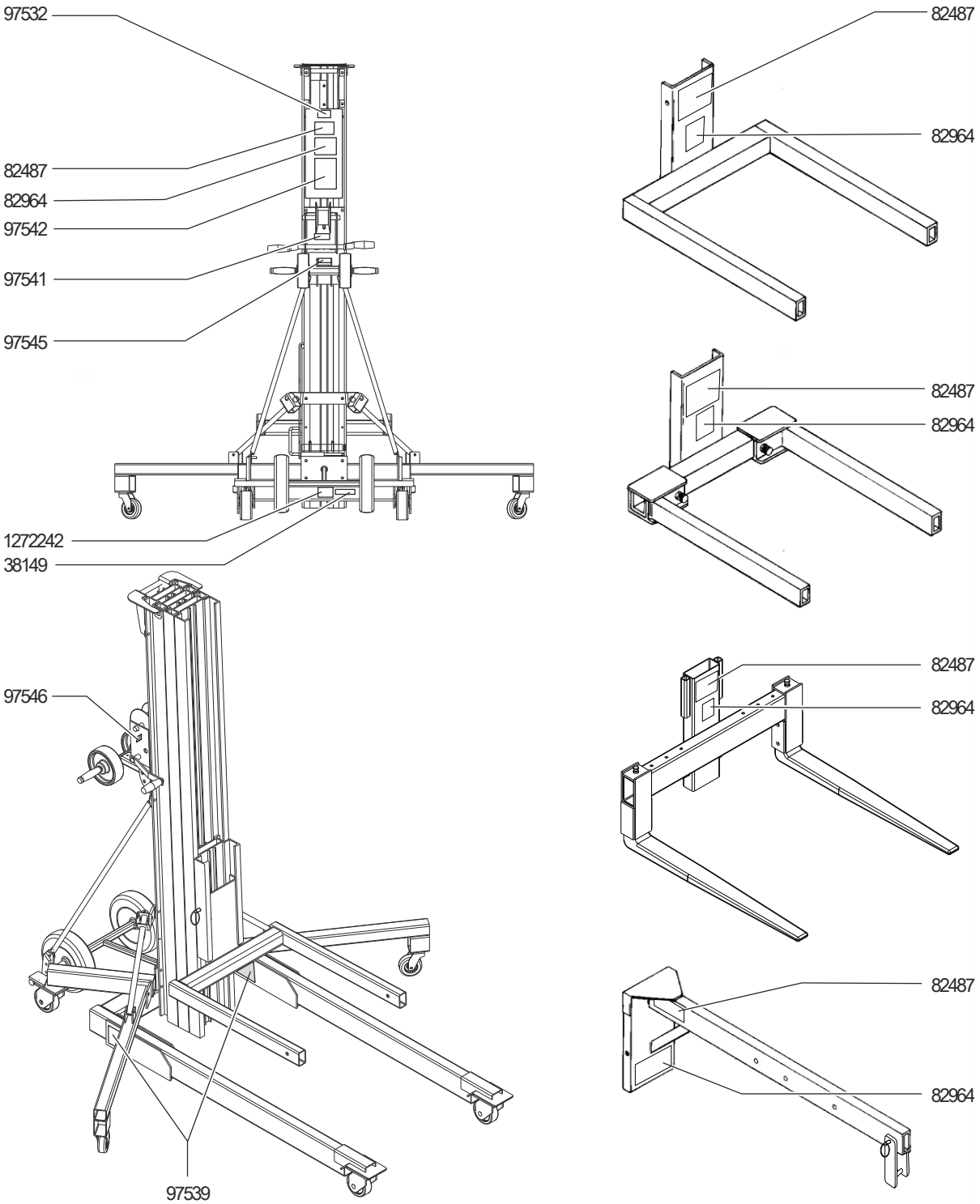
Inspection for Decals with Symbols

Determine whether the decals on your machine have words or symbols. Use the appropriate inspection to verify that all decals are legible and in place.

Part No.	Decal Description	Qty
38149	Label – Patents	1
82487	Label – Read the Manual	2
82964	Warning - No Riders	2
97532	Caution - Bodily Injury Hazard	1
97539	Danger - Electrocution Hazard	2
97541	Label - Use this Winch	1
97542	Warning - Load Center Chart	1
97545	Warning - Lock Brake	1
97546	Label - Two Speed Shift	1
1272242	Label – Machine Registration	1

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

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, safety and responsibilities manuals.

Using the machine for any purpose other than lifting material 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 preoperation inspection, function tests and a work place inspection before using the machine.

Operating Instructions

Setup

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

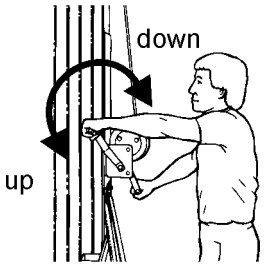
Follow the Setup procedures in the Function Tests section.

Raising and Lowering Load

1 Center the load on the load handling attachment. See Load Capacity Charts section.

2 Secure the load to the load handling attachment.

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



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

Moving Machine with a Load

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

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

After Each Use

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

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

Transport and Lifting Instructions



Observe and Obey:

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

Transport and Lifting Instructions

Loading the Machine

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

1 Fully lower the carriage, to lock for transport.

2 Rotate the carriage hold-down bar over the carriage.

3 Raise the carriage until it contacts the carriage hold-down bar.

4 Adjust the loading wheels to the desired position. Be sure the pin is properly inserted.

5 Lock the rear base casters.



6 Place the legs and stabilizers in the stored position.

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



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



9 To unload, follow the loading instructions in reverse order.

Loading the Machine With a Crane

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

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

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



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

Load Capacity Charts

Observe and Obey:

☑ Failure to properly position the load may result in death or serious injury.

☑ Verify that the load you wish to raise does not exceed the maximum load for your load center. See the load capacity charts on the next page.

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

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

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

Forks

Load Positioning Instructions

1 Determine the weight of the load and the location of its load center.

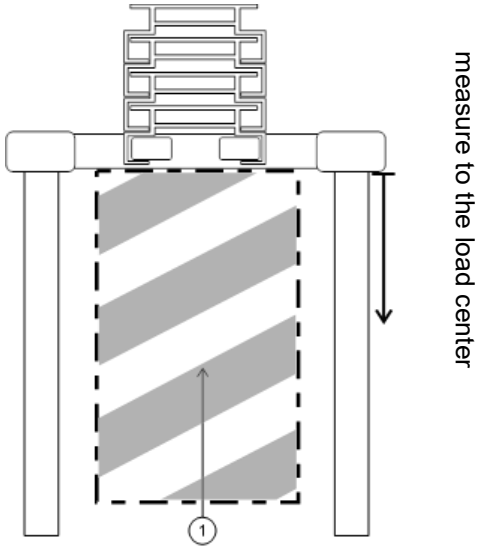
2 Measure to the load center from the side of the load that will be closest to the carriage.

3 Refer to the chart on the next page to determine if the machine is capable of lifting the weight at the location on the forks.

4 Place the load so that it rests on the forks, as close to the carriage as possible.

5 Position the load so that the load center is within the load center zone.

6 Secure the load to the forks.



1. Load Center Zone

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

Load Capacity Charts

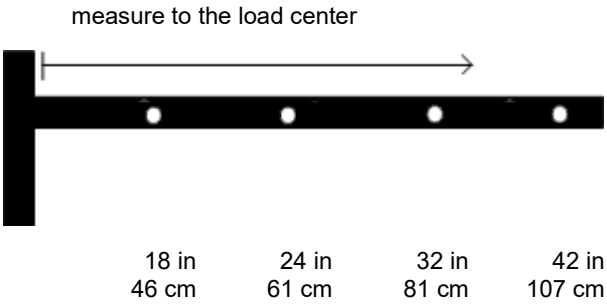
Boom

Load Positioning Instructions

1 Determine the weight of the load and the location of its load center.

2 Refer to the chart below to determine if the machine is capable of lifting the weight at the location on the boom.

3 Secure the load to the lifting shackle on the boom.



Maximum Load Centers

(measure from front of carriage)

Standard Forks	24 in	61 cm
Adjustable Forks	24 in	61 cm
Boom	42 in	107 cm
Adjustable Flat Forks	28 in	71 cm
Load Platform	24 in	61 cm
Pipe Cradle	18 in	46 cm
Fork Extensions	42 in	107 cm

Load Capacity Chart

		Load Center												
inches		18	20	22	24	26	28	30	32	34	36	38	40	42
cm		46	51	56	61	66	71	76	81	86	91	97	102	107
Model														
SLA-5	lbs	1000	1000	1000	1000	938	875	813	750	670	590	510	430	350
	kg	454	454	454	454	425	397	369	340	304	268	231	195	159
SLA-10	lbs	1000	1000	1000	1000	913	825	738	650	600	550	500	450	400
	kg	454	454	454	454	414	374	335	295	272	249	227	204	181
SLA-15	lbs	800	800	800	800	763	725	688	650	620	590	560	530	500
	kg	363	363	363	363	346	329	312	295	281	268	254	240	227
SLA-20	lbs	800	733	667	600	563	525	488	450	430	410	390	370	350
	kg	363	332	303	272	255	238	221	204	195	186	177	168	159
SLA-25	lbs	650	583	517	450	425	400	375	350	330	310	290	270	250
	kg	295	264	235	204	193	181	170	159	150	141	132	122	113

Specifications

Model	SLA-5	SLA-10	SLA-15	SLA-20	SLA-25
Height, stowed	78.50 in 2 m	78.50 in 2 m	78.50 in 2 m	78.50 in 2 m	78.50 in 2 m
Standard base, Width	31.50 in 80 cm	31.50 in 80 cm	31.50 in 80 cm	31.50 in 80 cm	31.50 in 80 cm
Standard base, Width (stabilizers lowered)	78.625 in 2 m	78.625 in 2 m	78.625 in 2 m	78.625 in 2 m	78.625 in 2 m
Straddle Base, Width Minimum	31.50 in 80 cm	31.50 in 80 cm	31.50 in 80 cm	NA	NA
Straddle Base, Width Maximum	58 in 1.5 m	58 in 1.5 m	58 in 1.5 m	NA	NA
Length, stowed	29 in 74 cm	29 in 74 cm	29 in 74 cm	29 in 74 cm	31 in 79 cm
Length, operating	59.50 in 1.5 m	59.50 in 1.5 m	72.50 in 1.8 m	80.50 in 2 m	80.50 in 2 m
Ground clearance	2 in 50.8 mm	2 in 50.8 mm	2 in 50.8 mm	2 in 50.8 mm	2 in 50.8 mm
Load Capacity at 18 in / 46 cm load center	1000 lbs 454 kg	1000 lbs 454 kg	800 lbs 363 kg	800 lbs 363 kg	650 lbs 295 kg
Note: see Load Capacity Charts section for load capacities at other load centers.					
Standard base - Net Weight	215 lbs 97.5 kg	260 lbs 117.9 kg	317 lbs 143.8 kg	405 lbs 183.7 kg	450 lbs 204.1 kg
Straddle base - Net Weight	258 lbs 117.0 kg	303 lbs 137.4 kg	360 lbs 163.3 kg	NA	NA

Load Handling Attachments	Length	Width	Depth	Net Weight
Standard Forks	27.50 in 70 cm	23.50 in 60 cm	2.50 in 6.4 cm	38 lbs 17.2 kg
Adjustable Forks	27.50 in 70 cm	11.50 in to 30 in 29 cm to 76 cm	2.50 in 6.4 cm	52.5 lbs 23.8 kg
Adjustable Flat Forks	32 in 81 cm	16 in to 31 in 41 cm to 79 cm	1.50 in 3.8 cm	73 lbs 33.1 kg
Boom	18 in to 42 in 46 cm to 1.1 m	1.50 in 4 cm	6.50 in 16.5 cm	34.5 lbs 15.6 kg
Pipe Cradle	27.50 in 70 cm	24.50 in 63 cm	6 in 15.2 cm	10 lbs 4.5 kg
Load Platform	27.50 in 70 cm	23.50 in 60 cm	2.50 in 6.4 cm	26.5 lbs 12 kg
Fork Extensions (each)	30 in 76 cm	2 in 5 cm	3 in 7.6 cm	4.5 lbs 2 kg

Specifications

Dimensions		**SLA-5**	**SLA-10**	**SLA-15**	**SLA-20**	**SLA-25**
Standard Forks	forks down	4 ft 10.50 in 1.5 m	9 ft 9 in 3 m	14 ft 7.50 in 4.5 m	19 ft 6 in 5.9 m	24 ft 4 in 7.4 m
	forks up	6 ft 7 in 2 m	11 ft 5.50 in 3.5 m	16 ft 4 in 5 m	21 ft 2.50 in 6.5 m	26 ft 0.50 in 7.9 m
Adjustable Forks	forks down	4 ft 10.50 in 1.5 m	9 ft 9 in 3 m	14 ft 7.50 in 4.5 m	19 ft 6 in 6 m	24 ft 4 in 7.4 m
	forks up	6 ft 7 in 2 m	11 ft 5.50 in 3.5 m	16 ft 4 in 5 m	21 ft 2.50 in 6.5 m	26 ft 0.50 in 7.9 m
Adjustable Flat Forks		4 ft 10.50 in 1.5 m	9 ft 9 in 3 m	14 ft 7.50 in 4.5 m	NA	NA
Boom		5 ft 10.50 in 1.8 m	10 ft 9 in 3.3 m	15 ft 7.50 in 4.8 m	20 ft 6 in 6.2 m	24 ft 4 in 7.4 m
Note: measured from ground to bottom of shackle						
Load Platform	forks down	4 ft 10.50 in 1.5 m	9 ft 9 in 3 m	14 ft 7.50 in 4.5 m	19 ft 6 in 6 m	24 ft 4 in 7.4 m
	forks up	6 ft 7 in 2 m	11 ft 5.50 in 3.5 m	16 ft 4 in 5 m	21 ft 2.50 in 6.5 m	26 ft 0.50 in 7.9 m
Note: can be used with standard forks and adjustable forks only						
Pipe Cradle Option handles round objects up to 30 in / 76 cm in diameter Note: can be used with standard forks and adjustable forks only (see above for working heights)						
Non-marking Fork Option Note: can be used with standard forks and adjustable forks only (see above for working heights)						
Fork Extension Option adds 6.25 to 25 inches / 15 to 64 cm of length to forks Note: can be used with standard forks and adjustable forks only (see above for working heights)						
Sound pressure level		<70 dBA	<70 dBA	<70 dBA	<70 dBA	<70 dBA
Ambient operating temperature		-20 F to 120 F -29 C to 49 C	-20 F to 120 F -29 C to 49 C	-20 F to 120 F -29 C to 49 C	-20 F to 120 F -29 C to 49 C	-20 F to 120 F -29 C to 49 C

California Proposition 65

WARNING

Operating, servicing and maintaining this equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. These chemicals can be emitted from or contained in other various parts and systems, fluids and some component wear by-products. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your equipment and vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your equipment or vehicle and after operation. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

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