Genie
A TEREX BRAND

Operator's Manual

Serial Number Range

Super Hoist®

with
Maintenance
Information

Original Instructions
Fifth Edition
First Printing
Part No. 1314197GT

Manufacturer:

Terex Global GmbH
Bleicheplatz 2
Schaffhausen, 8200
Switzerland

EU Authorized representative:

Genie Industries B.V.
Boekerman 5
4751 XK OUD GASTEL
The Netherlands

UK Authorized representative:

Genie UK Limited
The Maltings
Wharf Road
Grantham
NG31 6BH
UK

Contents

Introduction 1
Symbol and Hazard Pictorials Definitions 6
General Safety 7
Work Area Safety 8
Legend 10
Inspections 11
Operating Instructions 19
Maintenance Schedule 21
Specifications 22

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

Supply of Machinery (Safety) Regulations 2008

Introduction

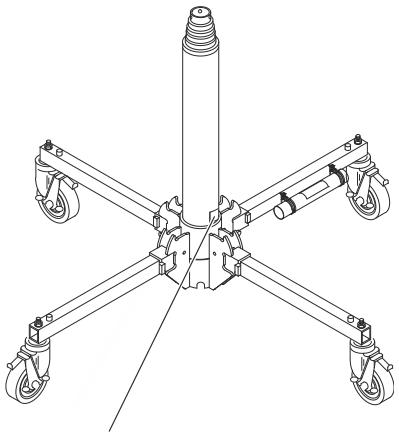
About this manual

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 label

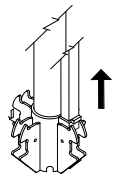
Intended Use and Familiarization Guide

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.

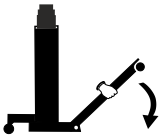
- ☑ Each person must be trained to operate a material lift.
- ☑ Familiarization with the material lift must be given to each person who is authorized, competent and trained.
- ☑ Only trained and authorized personnel should be permitted to operate the machine.
- ☑ The operator is responsible to read, 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

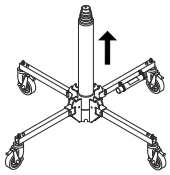
Related machine movement:



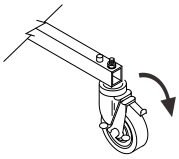
Pull-up leg lock



Lower the leg to down position



Lift machine to lock the legs



Caster Brakes

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:

- Leg

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.

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.

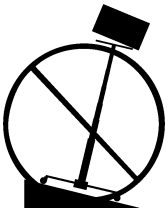
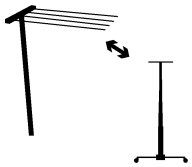
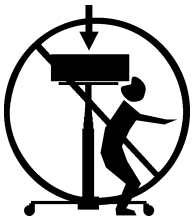
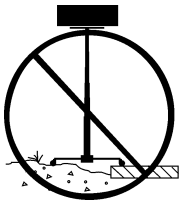
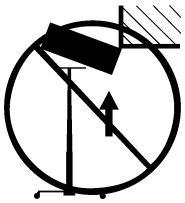


Yellow without safety alert symbol—used to indicate the presence of a potentially hazardous situation which, if not avoided, may result in property damage.

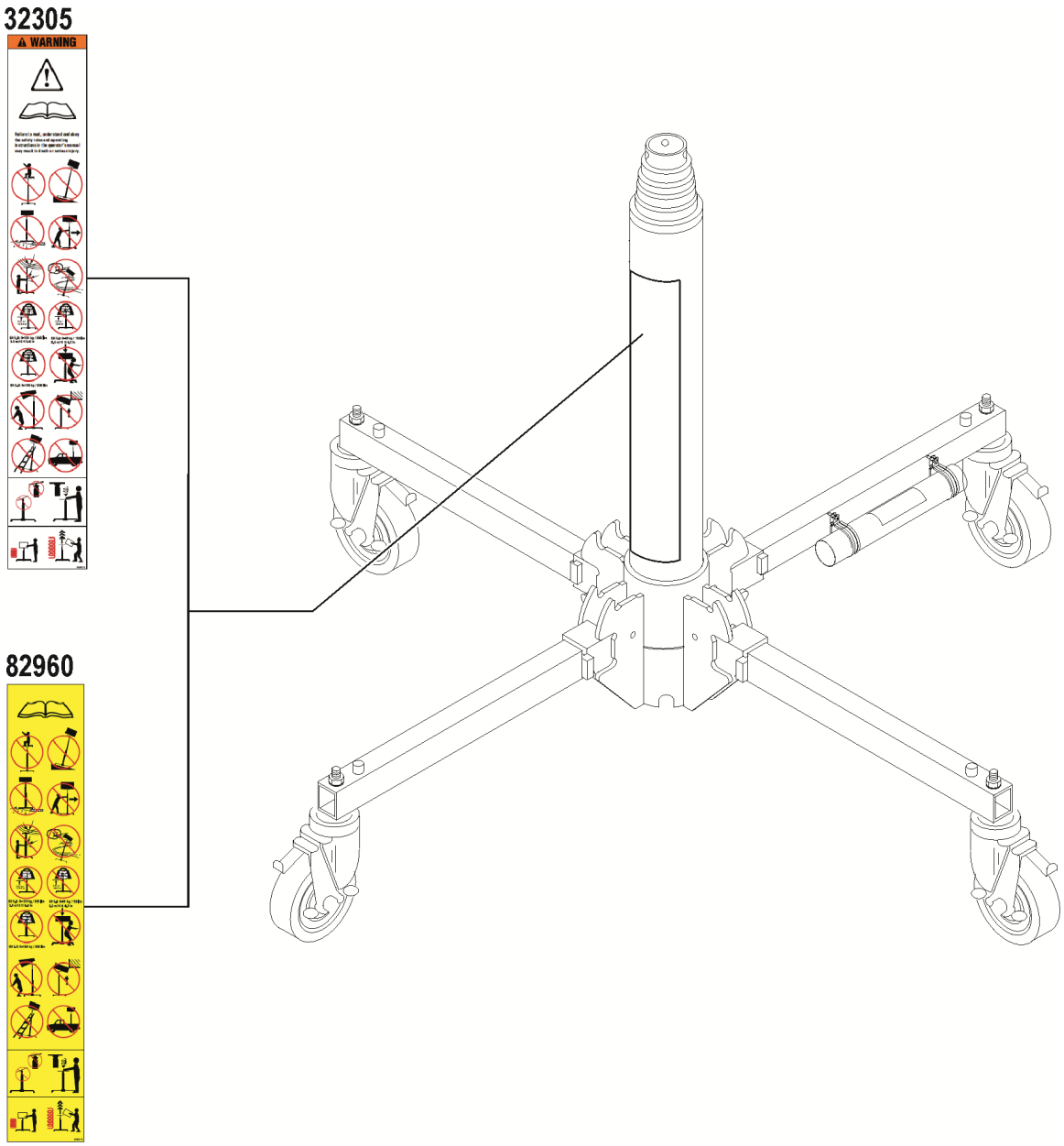


Green—used to indicate operation or maintenance information.

Symbol and Hazard Pictorials Definitions

 Read the operator's manual	 Read the service manual	 Crush hazard	 No smoking	 Collision hazard
 Tip-over hazard	 Tip-over hazard	 Tip-over hazard	 Electrocution hazard	 Tip-over hazard
 Maintain required clearance	 Crush hazard	 Crushing hazard	 Move machine to level ground	 Electrocution hazard
 Collision hazard	 Maximum capacity	 Release brakes		

General Safety



Work Area Safety

⚠ Electrocution Hazards

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

Do not operate the machine within 10 feet / 3 m of any overhead electrical current.

Keep away from the machine if it contacts energized power lines or becomes electrically charged.

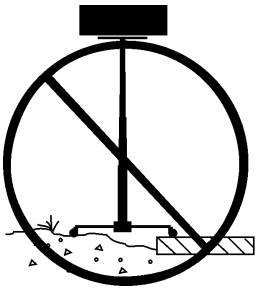
⚠ Tip-over Hazards

Do not use this machine to lift people. This machine is intended for lifting material only.

Do not stand on the platform.



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



Do not raise the platform unless all four legs are locked into the down position and each caster brake has been locked.

Do not raise the platform unless the load is centered and secured with rope or straps.

Do not move the machine while the platform is raised.



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



Work Area Safety

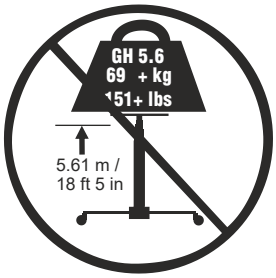
Do not exceed the maximum platform capacity.



GH 3.8

Height of platform	Maximum platform capacity
3.8 m/12 ft 5.625 in	158 kg/350 lbs





GH 5.6

Height of platform	Maximum platform capacity
3.8 m/12 ft 5.625 in	158kg/350lbs
5.6 m/18 ft 4.5 in	68kg/150lbs

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.

Immediately lower the platform if side deflection or bowing occurs.

⚠ Collision Hazards

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

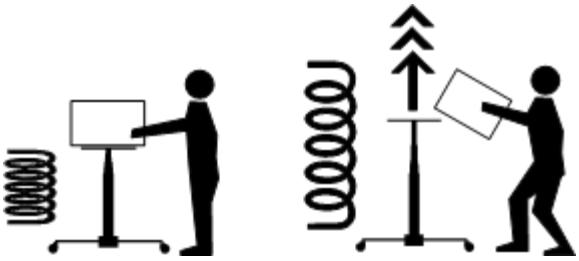
Do not raise the platform unless the load is centered and secured with rope or straps.

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

Inspect the workplace to avoid overhead obstructions or other possible hazards.

Do not use or raise the platform unless it has been securely fastened to the mounting plug.

Do not add or remove the load while the platform is raised. The platform will move if the load is added or removed while raising or lowering.



Do not unplug the hose and hand control with a load on the platform. Be aware of the position of the hose and hand control and protect it from puncture, crushing and severing.

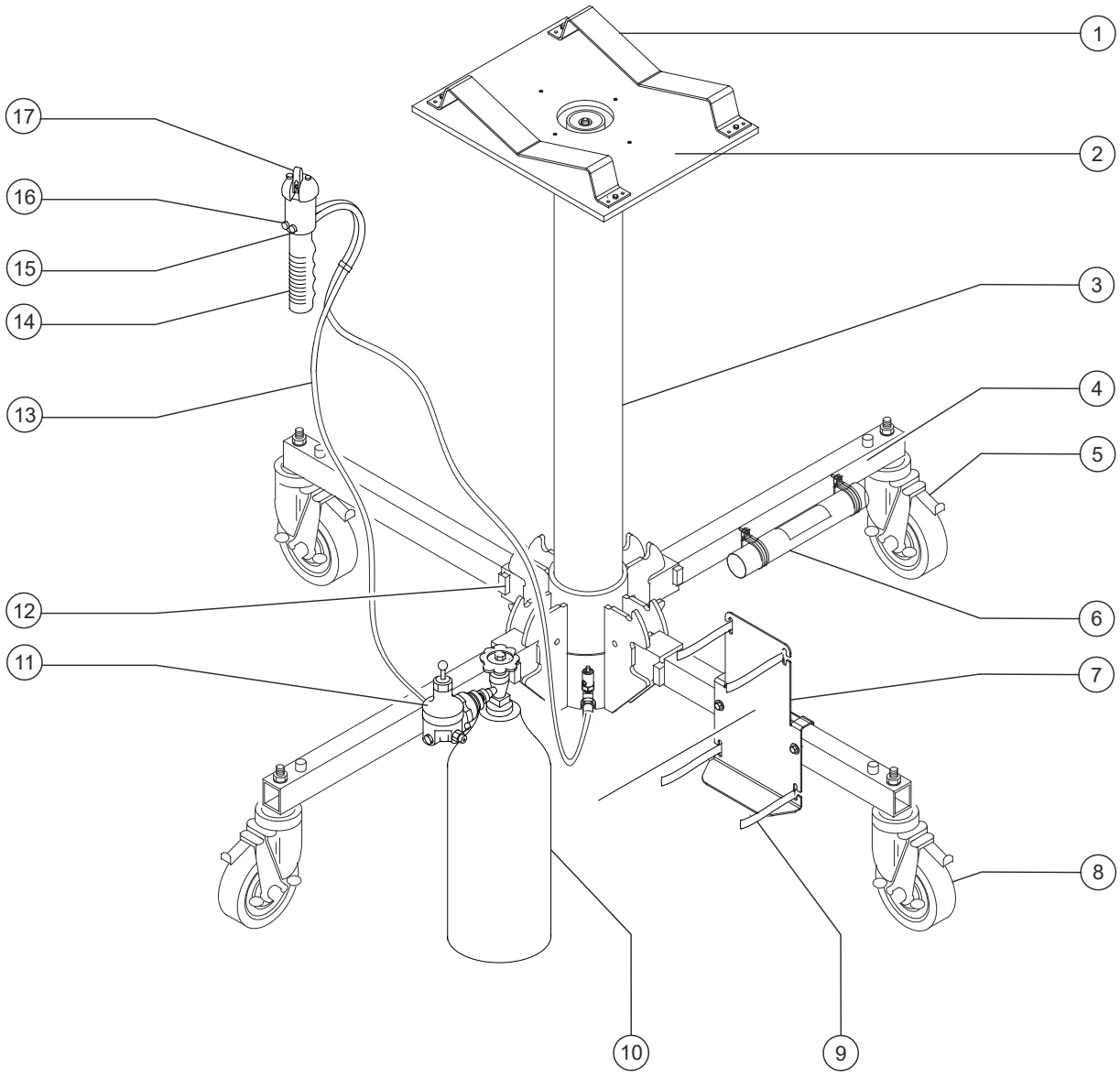
⚠ Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

⚠ Improper Use Hazard

Do not leave the machine unattended. Use of this machine by unauthorized personnel could result in death or serious injury.

Legend



1 Pipe Cradle
2 Platform
3 Cylinder assembly
4 Leg
5 Caster brakes
6 Manual storage container
7 CO2 Tank bracket
8 Caster - 5 inch swivel
9 Straps
10 CO2 tank
11 Pressure regulator
12 Leg lock
13 Hose
14 Hand control
15 Up button
16 Down button
17 Dump valve

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. 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.

Inspections

Pre-operation Inspection

- ❑ Be sure that the operator’s manual is complete, legible and available for reference.
- ❑ 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:

Visually inspect all machine components.

- ❑ Platform and T-nut
- ❑ CO2 tank, CO2 tank bracket and pressure regulator
- ❑ Hose and hand control
- ❑ Cylinder assembly
- ❑ Base, legs, leg locks, leg lock springs and casters

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.

Setup

2 Stand the machine up on its base. Release the leg locks one at a time and lower each leg to the down position.

3 Firmly grasp the cylinder assembly and lift it enough for each leg to lock into the down position.

⊙ Result: All four leg locks should click into the locked position.

4 Position the platform over the mounting plug and fasten it securely with the T-nut.

5 Set the CO2 tank bracket next to the CO2 tank. Wrap the straps around the tank and attach the tank tightly to the bracket. Set the CO2 tank bracket with the tank on any one of the hoist legs.

Note: Leave the tank on the bracket until it is necessary to change tanks.

6 Spin the pressure regulator connecting nut onto the CO2 tank valve stem and hand tighten. It is not necessary to use a wrench.

⚠WARNING Tip-over hazard. The pressure regulator operating pressure is preset for the maximum load capacity of the machine. Modifying or using any other pressure regulator or compressor in excess of 600 kPa / 90 psi service could result in death or serious injury. Use only Genie approved replacement parts.

7 Connect the hose and hand control by inserting the hose plug end into the coupling on the side of the pressure regulator. Connect the hand control hose to the valve at the base of the cylinder assembly.

8 Open the CO2 tank valve slowly by turning the handle counterclockwise.

⚠CAUTION Component damage hazard. If the CO2 tank valve is opened quickly, the pressure regulator diaphragm could be damaged.

Platform Raise and Lower

9 Lock all four caster brakes.

10 Raise the platform by pressing the up button on the hand control.

⊙ Result: Each tube should extend individually and smoothly. They should not stick.

11 Lower the platform by pressing the down button.

⊙ Result: The platform should descend at a smooth, controlled rate.

12 Raise the platform again and then lower it by opening the manual dump valve on top of the hand control.

⊙ Result: The platform should descend at a smooth, controlled rate, but more quickly.

Note: Raising and lowering the platform twice, without a load, lubricates the columns.

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

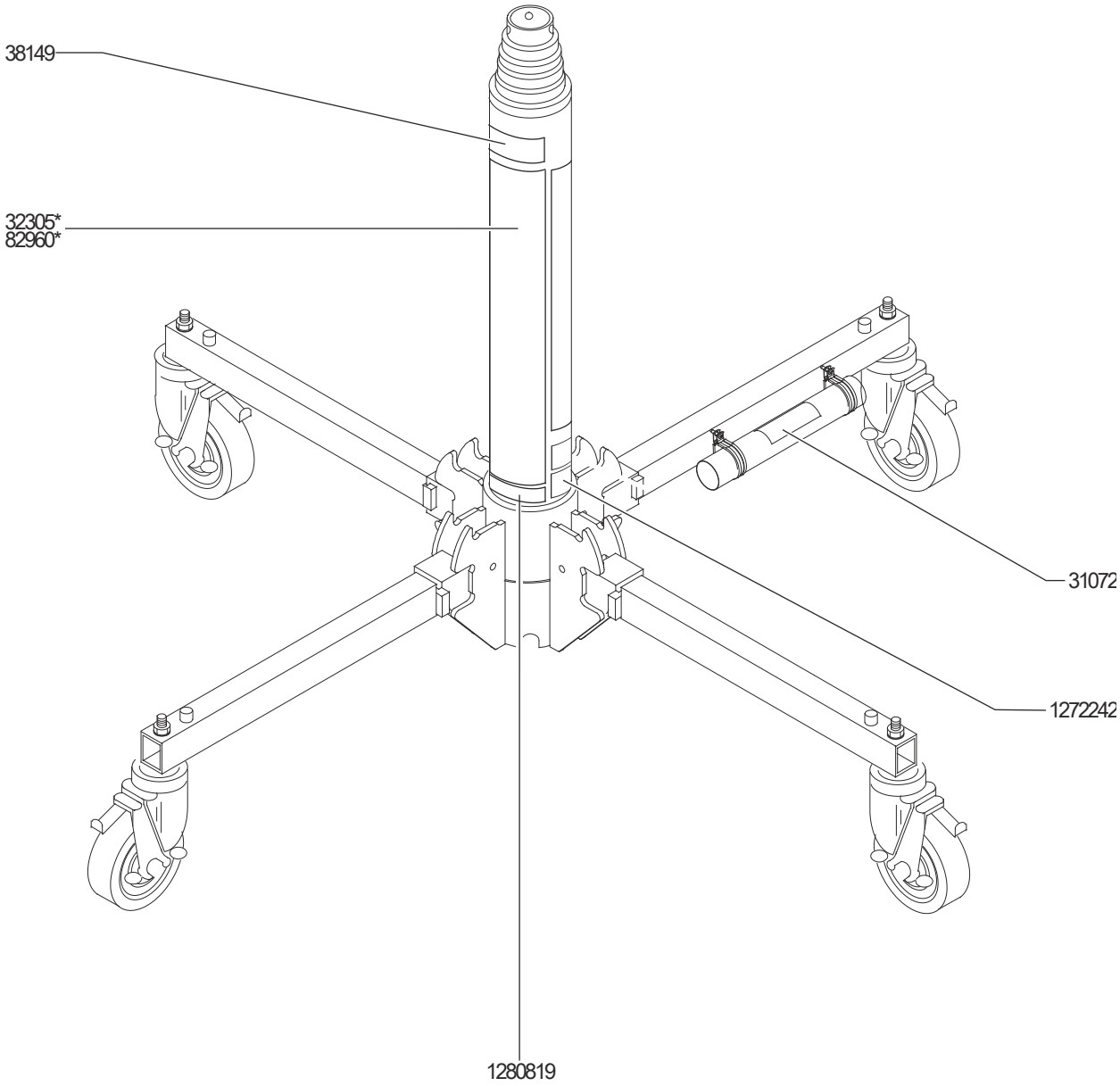
Decal Inspection

Use the pictures on this page to verify that all decals are legible and in place. Below is a numerical list with quantities and descriptions.

Part No.	Decal Description	Qty
31072	Label - Operator's Manual Container	1
32305	Warning - Machine Safety	1
38149	Label – Patents	1
82960	Warning - Machine Safety	1
1272242	Label – Machine Registration	1
1280819	Label – Warning, Prop 65	1

* 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 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

This machine is intended for use as a material lift only.

When new, the machine may be stiff due to tight seals and packings. The machine will function smoother after use. The machine is heavily lubricated during manufacture to assure long lasting and smooth performance. Occasionally, excess oil may leak out of the quick disconnect plug at the base of the cylinder assembly.

NOTICE Take precautionary care to avoid lubricant spills on finished floors.

Operating Instructions

Setup

Follow the Setup procedures in the Function Tests section.

Platform Raise and Lower

1 Lock all four caster brakes.

2 Raise the platform by pressing the up button on the hand control.

3 Lower the platform by pressing the down button.

Manual Lowering

1 Open the manual dump valve on top of the hand control.

Storage Instructions

1 Completely lower the platform. Close the CO2 tank valve by turning the handle clockwise. Remove the platform and CO2 tank. Disconnect the hose and hand control and coil it on the clips under the platform.

2 Support the cylinder assembly with one hand. With the other hand, release the nearest leg lock. Raise the leg and lock it in the storage position. Repeat this procedure for the other three legs.

3 Select a safe storage location that is weather protected and away from traffic. Preferably, store the machine standing up on its base to preserve smooth operation and prolong the life of the seals.

Maintenance Schedule

Daily	Inspect and, if necessary, tighten the following components: fittings, hoses, fasteners.
	Inspect the leg locks to be sure that they move freely and the springs function properly through their entire range of motion.
	Inspect the casters and the caster brakes.
Monthly	Visually inspect the felt wipers located at the top of tubes. Remove debris and clean as necessary.

Specifications

Genie Super Hoist 3.8		
Height	41 in	1.04 m
Platform length	19 in	48 cm
Platform width	24 in	61 cm
Base width, corner to corner	53 in	1.35 m
Load Capacity	350 lbs	158 kg
Lifting height	12 ft 5.625 in	3.8 m
Dimensions for storage / transport	14 x 14 x 39.50 in 36 cm x 36 cm x 1 m	
Weight	64 lbs	29 kg
Recommended psi	85 psi	5.86 bar
Sound pressure level		<70 dBA

Genie Super Hoist 5.6		
Height	54 in	1.37 m
Platform length	19 in	48 cm
Platform width	24 in	61 cm
Base width, corner to corner	53 in	1.35 m
Platform Height		Load Capacity
3.8 m/12 ft 5.625 in	350 lbs	158 kg
5.6 m/18 ft 4.5 in	150 lbs	68 kg
Lifting height	18 ft 4.50 in	5.6 m
Dimensions for storage / transport	14 x 14 x 39.50 in 36 cm x 36 cm x 1 m	
Weight	69 lbs	31 kg
Recommended psi	85 psi	5.86 bar
Sound pressure level		<70 dBA

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

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,

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 and person to compile the technical file:
	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)

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 and person to compile the technical file: Genie UK Ltd The Maltings Wharf Road Grantham NG31 6BH
Empowered signatory:	Place of Issue: <variable field>
	Date of Issue: <variable field>

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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