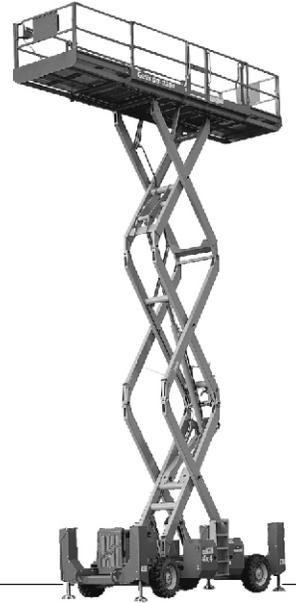


# Genie®



## Operator's Manual

*with Maintenance Information*

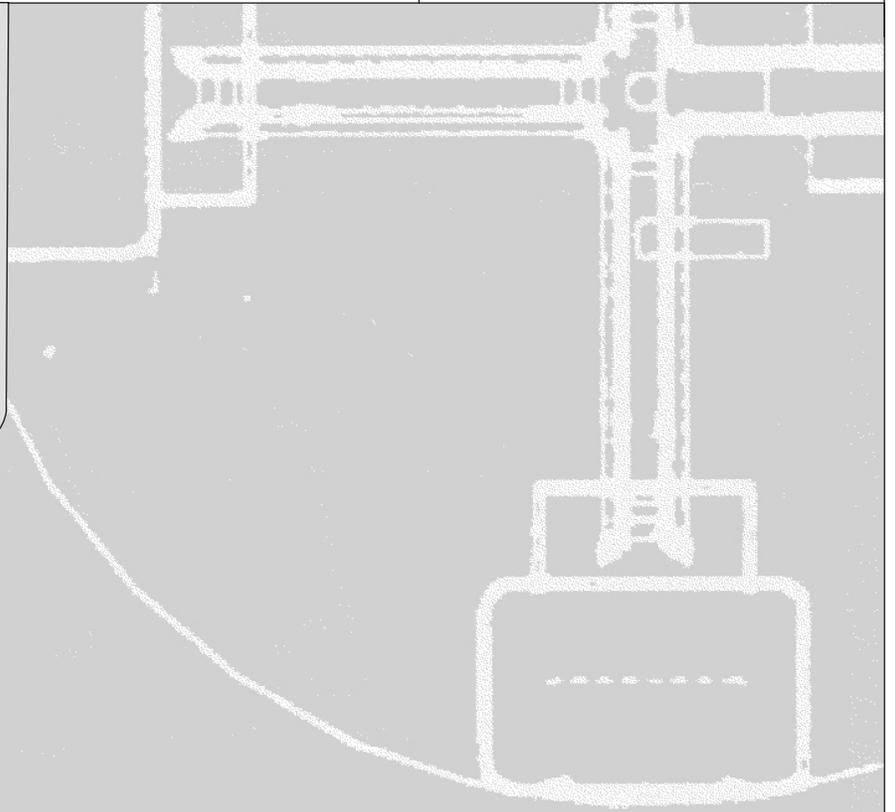
Second Edition  
Third Printing  
Part No. 82415

**GS™-3384**

**GS™-3390**

**GS™-4390**

**GS™-5390**



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## Important

Read, understand and obey these safety rules and operating instructions before operating this machine. Only trained and authorized personnel shall be permitted to operate this machine. This manual should be considered a permanent part of your machine and should remain with the machine at all times. If you have any questions, please call Genie Industries.

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## Contents

	Page
Safety .....	1
Legend .....	8
Controls .....	9
Pre-operation Inspection .....	11
Maintenance .....	13
Function Tests .....	16
Workplace Inspection .....	20
Operating Instructions .....	21
Transport and Lifting Instructions .....	25
Decals .....	28
Specifications .....	36

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These machines comply with  
 ANSI/SIA 92.6-1999.

 Printed on recycled paper

Printed in U.S.A.

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# Safety Rules



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## 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.

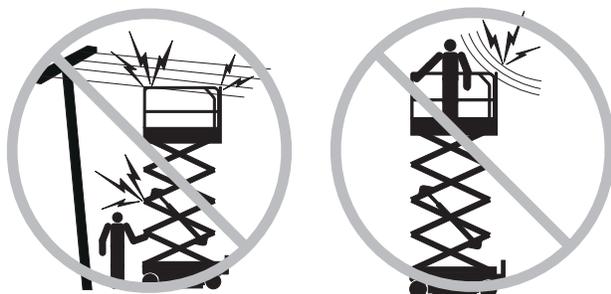
5 Only use the machine as it was intended.

- 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 RULES

### Electrocution Hazards

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



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

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

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

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

Do not operate the machine during lightning or storms.

Do not use the machine as a ground for welding.

### Tip-over Hazards

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

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#### Maximum capacity - GS-3384 and GS-3390

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**Maximum occupants** **7**

---

#### Models with one platform extension

Platform retracted	2500 lbs	1134 kg
Platform only	2000 lbs	907 kg
Extension only	500 lbs	227 kg

Extension only		Platform only
500 lbs / 227 kg		2000 lbs / 907 kg

---

#### Models with two platform extensions

Platform retracted	2500 lbs	1134 kg
Platform with one extension out	2000 lbs	907 kg
Platform with two extensions out	1500 lbs	680 kg
Each extension only	500 lbs	227 kg

Extension only	Platform only	Extension only
500 lbs / 227 kg	1500 lbs / 680 kg	500 lbs / 227 kg

---

#### Maximum capacity - GS-4390

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**Maximum occupants** **7**

---

#### Models with one platform extension

Platform retracted	1500 lbs	680 kg
Platform only	1000 lbs	454 kg
Extension only	500 lbs	227 kg

Extension only		Platform only
500 lbs / 227 kg		1000 lbs / 454 kg

---

**SAFETY RULES**

**Models with two platform extensions**

Platform retracted	1500 lbs	680 kg
Platform with one extension out	1000 lbs	454 kg
Platform with two extensions out	500 lbs	227 kg
Each extension only	500 lbs	227 kg



Extension only	Platform only	Extension only
500 lbs / 227 kg	500 lbs / 227 kg	500 lbs / 227 kg

**Maximum capacity - GS-5390**

**Maximum occupants - ANSI & CSA** **6**

**Maximum occupants - Australia** **4**

**Models with one platform extension**

Platform retracted	1500 lbs	680 kg
Platform only	1000 lbs	454 kg
Extension only	500 lbs	227 kg

Extension only	Platform only
500 lbs / 227 kg	1000 lbs / 454 kg

**Models with two platform extensions**

Platform retracted	1500 lbs	680 kg
Platform with one extension out	1000 lbs	454 kg
Platform with two extensions out	500 lbs	227 kg
Each extension only	500 lbs	227 kg



Extension only	Platform only	Extension only
500 lbs / 227 kg	500 lbs / 227 kg	500 lbs / 227 kg

Do not alter or disable the limit switches.

Do not drive over 0.7 mph / 1.1 km/h with the platform raised.

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



Do not use the platform controls to free a platform that is caught, snagged or otherwise prevented from normal motion by an adjacent structure. All personnel must be removed from the platform before attempting to free the platform using the ground controls.

Do not depend on the tilt alarm as a level indicator. The tilt alarm sounds on the chassis and in the platform when the machine is on a slope.

If the tilt alarm sounds:  
Lower the platform. Move the machine to a firm, level surface. If the tilt alarm sounds when the platform is raised, use extreme caution to lower the platform.

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

SAFETY RULES

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



Do not drive the machine on or near uneven terrain, unstable surfaces or other hazardous conditions with the platform raised.

Use extreme care and slow speeds while driving the machine in the stowed position across uneven terrain, debris, unstable or slippery surfaces and near holes and drop-offs.

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

---

<b>Maximum allowable side force - ANSI and CSA</b>	
GS-3384	350 lbs / 1557 N
GS-3390	350 lbs / 1557 N
GS-4390	350 lbs / 1557 N
GS-5390	300 lbs / 1335 N

---

<b>Maximum allowable manual force - Australia</b>	
90 lbs / 400 N	

---



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 modify or alter an aerial 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.

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



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

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

Be sure all tires are in good condition, air-filled tires are properly inflated and lug nuts are properly tightened.

Do not use the machine as a crane.

Do not push the machine or other objects with the platform.

Do not contact adjacent structures with the platform.

Do not tie the platform to adjacent structures.

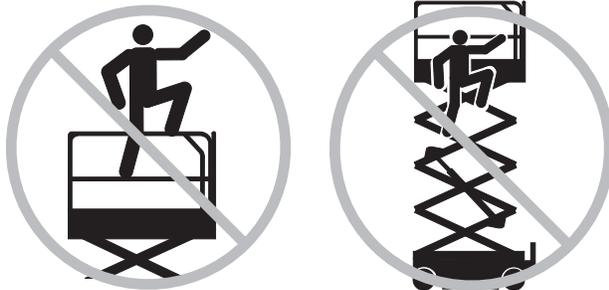
Do not place loads outside the platform perimeter.

**SAFETY RULES**

**Fall Hazards**

The guardrail 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 equipment and its use shall be in accordance with the PFPE manufacturer's instructions and applicable governmental requirements.

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



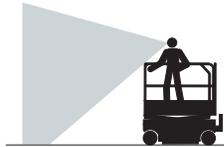
Do not climb down from the platform when raised.

Keep the platform floor clear of debris.

Close the entry gate before operating.

Do not operate the machine unless the guard rails are properly installed and the entry is secured for operation.

**Collision Hazards**

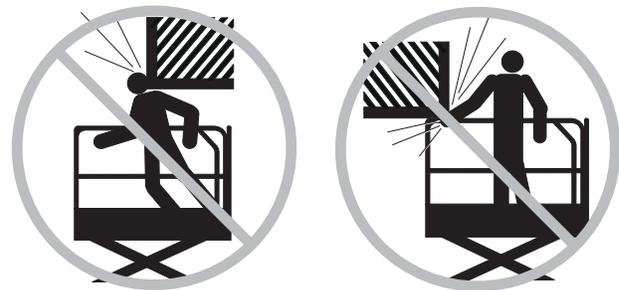


Be aware of limited sight distance and blind spots when driving or operating.

Be aware of extended platform position(s) when moving the machine.

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

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



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

Observe and use color-coded direction arrows on the platform controls and platform decal plate for drive and steer functions.

Do not operate a machine in the path of any crane or moving overhead machinery unless the controls of the crane have been locked out and/or precautions have been taken to prevent any potential collision.

No stunt driving or horseplay while operating a machine.

## SAFETY RULES

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



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

### Component Damage Hazards

Do not use any battery or charger greater than 12V DC to jump-start the engine.

Do not use the machine as a ground for welding.

### Explosion and Fire Hazards

Do not start the engine if you smell or detect liquid petroleum gas (LPG), gasoline, diesel fuel or other explosive substances.

Do not refuel the machine with the engine running.

Refuel the machine and charge the battery only in an open, well-ventilated area away from sparks, flames and lighted tobacco.

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

Do not spray ether into engines equipped with glow plugs.

### 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, safety and responsibilities manuals are complete, legible and in the storage container located in the platform.

### Crushing Hazards

Keep hands and limbs out of scissors.

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.

Maintain a firm grasp on the platform rail when removing the rail pins. Do not allow the platform guard rails to fall.

### Bodily Injury Hazard

Always operate the machine in a well-ventilated area to avoid carbon monoxide poisoning.

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

Improper contact with components under any cover will cause serious injury. Only trained maintenance personnel should access compartments. Access by the operator is only advised when performing a pre-operation inspection. All compartments must remain closed and secured during operation.

## SAFETY RULES

## Outrigger Safety

### Tip-over Hazards

Do not lower the outriggers unless the machine is on a firm surface. Avoid drop-offs, holes, unstable or slippery surfaces and other possible hazardous conditions.

When the auto level function is not being used and the outriggers are being lowered individually, the steer-end outriggers must be lowered first.

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 outriggers.

Do not raise the platform unless all four outriggers are properly lowered, the footpads are in firm contact with the ground and the machine is level.

Do not adjust the outriggers while the platform is raised.

Do not drive while the outriggers are lowered.

## 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.

### Explosion Hazard

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

### Electrocution Hazard

Avoid contact with electrical terminals.

## 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.

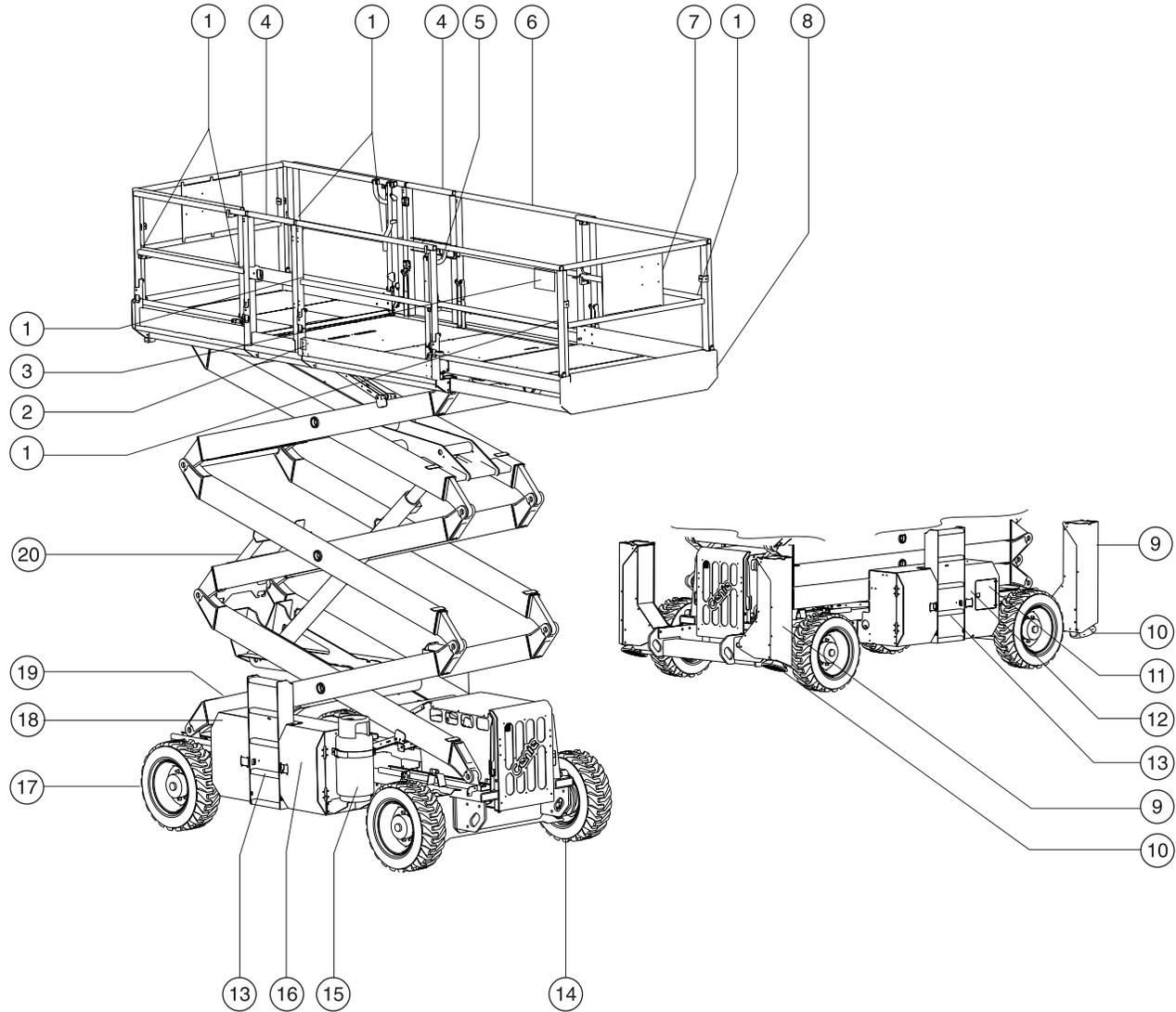


Yellow without safety alert symbol—used to indicate the presence of a potentially hazardous situation which, if not avoided, may result in property damage.



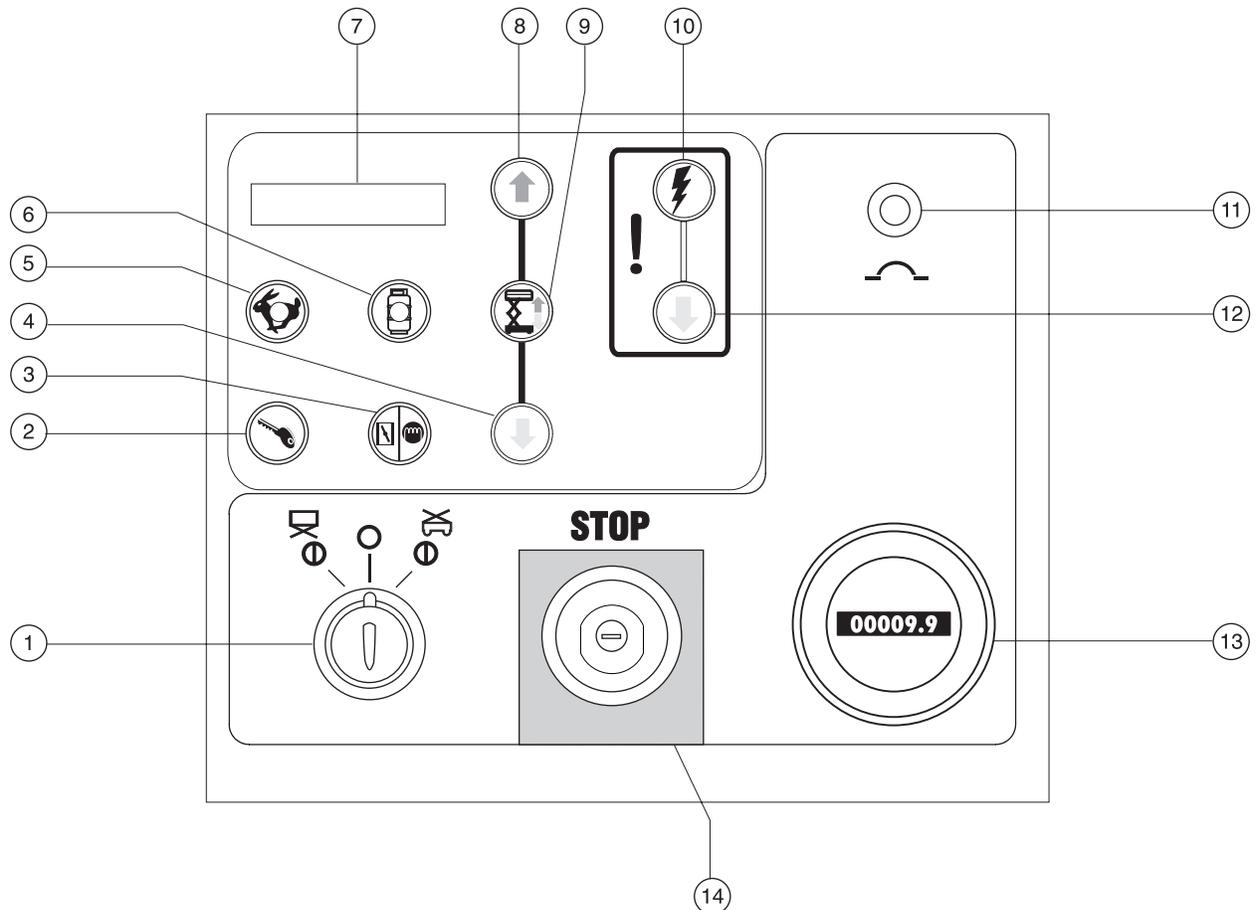
Green—used to indicate operation or maintenance information.

# Legend



- |                                  |   |   |
|----------------------------------|---|---|
| 1 Lanyard anchorage point        | 9 Outrigger housing (if equipped)           | 15 LPG tank                             |
| 2 GFCI outlet                    | 10 Outrigger footpad (if equipped)          | 16 Fuel tank (behind cover)             |
| 3 Platform controls              | 11 Ground controls with LCD readout screen  | 17 Non-steer tire                       |
| 4 Platform entry gate            | 12 Tilt alarm (behind ground control panel) | 18 Hydraulic tank (behind cover)        |
| 5 Platform extension lock handle | 13 Entry ladder                             | 19 Power to platform (hidden from view) |
| 6 Platform guard rails           | 14 Steer tire                               | 20 Safety arm (hidden from view)        |
| 7 Manual storage container       |   |   |
| 8 Platform extension             |   |   |

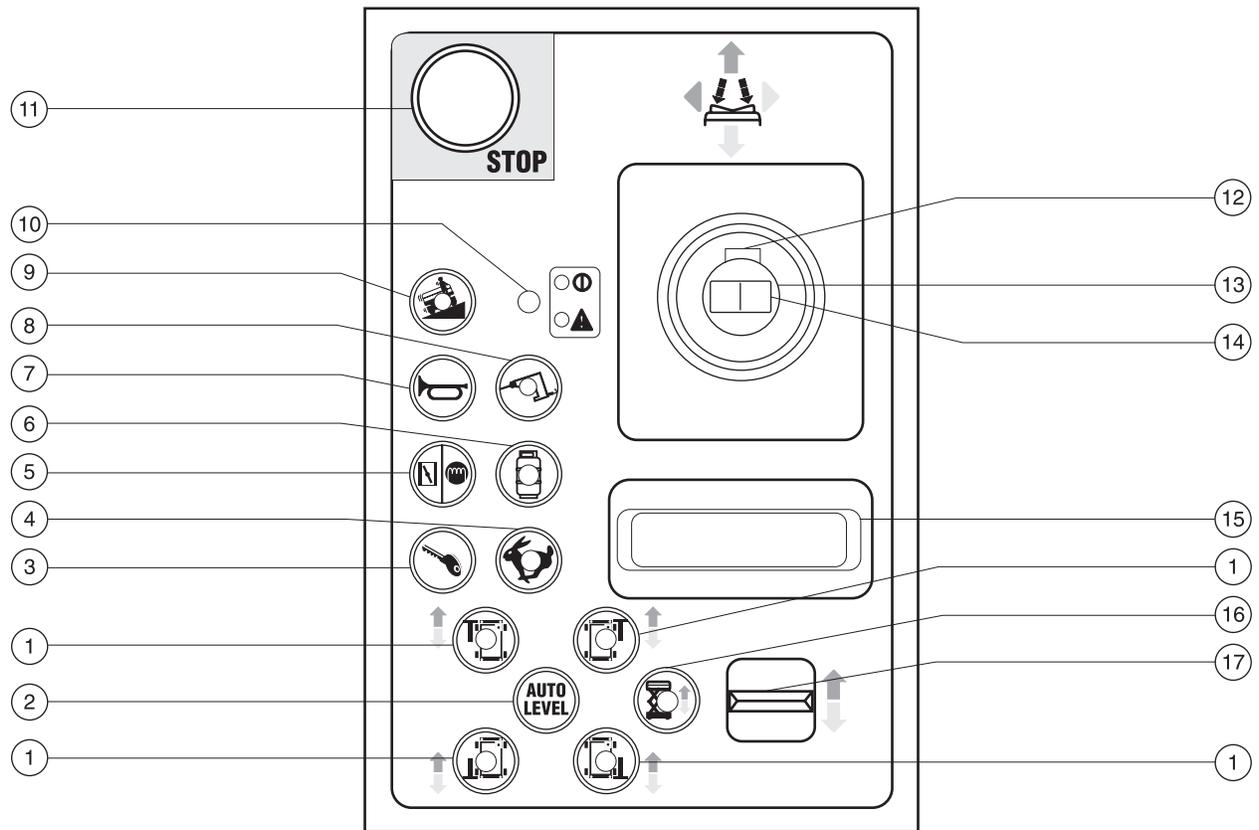
# Controls



## Ground Control Panel

- |   |  |    |   |
|---|--|----|---|
| 1 | Key switch for platform/off/ground control selection                 | 8  | Platform up button                          |
| 2 | Engine start button  | 9  | Lift function enable button                 |
| 3 | Gasoline/LPG models: Choke button<br>Diesel models: Glow plug button | 10 | Backup auxiliary function enable button     |
| 4 | Platform down button   | 11 | 20 amp circuit breaker for controls circuit |
| 5 | Idle select button with indicator light                              | 12 | Backup auxiliary down button                |
| 6 | Gasoline/LPG models: LPG select button with indicator light          | 13 | Hour meter                                  |
| 7 | LCD readout screen   | 14 | Red Emergency Stop button                   |

CONTROLS



**Platform Controls**

- |   |  |    |  |    |   |
|---|--|----|--|----|---|
| 1 | Outrigger function enable button with indicator light                | 7  | Horn button  | 14 | Thumb rocker switch for steer function                                |
| 2 | Outrigger auto level button  | 8  | Generator select button with indicator light                                     | 15 | Wrist rest  |
| 3 | Engine start button  | 9  | Machine on incline button with indicator light: Low speed operation for inclines | 16 | Lift function enable button with indicator light                      |
| 4 | Idle select button with indicator light                              | 10 | Green power light/ Red error indicator light                                     | 17 | Proportional rocker switch for outrigger up/down and platform up/down |
| 5 | Gasoline/LPG models: Choke button<br>Diesel models: Glow plug button | 11 | Red Emergency Stop button  |    |   |
| 6 | Gasoline/LPG models: LPG select button with indicator light          | 12 | Function enable switch   |    |   |
|   |  | 13 | Proportional control handle for drive function                                   |    |   |

# Pre-operation Inspection



---

## Do Not Operate Unless:

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

1 Avoid hazardous situations.

**2 Always perform a pre-operation inspection.**

**Know and understand the pre-operation inspection before going on to the next section.**

3 Always perform function tests prior to use.

4 Inspect the workplace.

5 Only use the machine as it was intended.

## 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 and the requirements listed in the responsibilities manual.

## PRE-OPERATION INSPECTION

## Pre-operation Inspection

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- Be sure that the operator's, safety and responsibilities manuals are 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 engine oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- Check for hydraulic oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- Check for engine coolant leaks and proper level of coolant. Add coolant if needed. See Maintenance section.
- Check for battery fluid leaks and proper fluid level. Add distilled water if 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
- Hydraulic hoses, fittings, cylinders and manifolds
- Fuel and hydraulic tanks
- Drive motors
- Wear pads
- Tires and wheels
- Engine and related components
- Limit switches, alarms and horn
- Nuts, bolts and other fasteners

- Platform entry gate
- Beacon and alarms (if equipped)
- Safety arm
- Platform extension(s)
- Scissor pins and retaining fasteners
- Platform control joystick
- Generator (if equipped)
- Outrigger housings and footpads (if equipped)

Check entire machine for:

- Cracks in welds or structural components
- Dents or damage to machine
- Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened
- Side rails are installed and rail pins and bolts are fastened

# 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 and the requirements specified in the responsibilities manual.

## 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.



Indicates that a cold engine is required before performing this procedure.

## Check the Batteries



Proper battery condition is essential to good engine performance and operational safety. Improper fluid levels or damaged cables and connections can result in engine 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.

- 1 Put on protective clothing and eye wear.
- 2 Be sure that the battery cable connections are tight and free of corrosion.
- 3 Be sure that the battery hold-down bars are secure.
- 4 Remove the battery vent caps.
- 5 Check the battery acid level. If needed, replenish with distilled water to the bottom of the battery fill tube. Do not overfill.
- 6 Install the vent caps.

## MAINTENANCE

## Check the Engine Oil Level



Maintaining the proper engine oil level is essential to good engine performance and service life. Operating the machine with an improper oil level can damage engine components.

**NOTICE** Check the oil level with the engine off.

- 1 Release the latches on the engine tray and fully slide the engine tray out.
- 2 Insert a 6 in / 15 cm screwdriver or rod into the engine tray lock hole, located near the engine tray roller wheels, to prevent the engine tray from moving.
- 3 Check the oil level dipstick. Add oil as needed.

**Deutz F4L1011F Engine**

Oil Type	15W-40
Oil Type - cold conditions	10W-40

**Deutz F3L1011(F) Engine**

Oil Type	15W-40
Oil Type - cold conditions	10W-40

**Deutz F3L2011 Engine**

Oil Type	15W-40
Oil Type - cold conditions	5W-30

**Deutz F3L2011 Tier II Engine**

Oil Type	15W-40
Oil Type - cold conditions	5W-30

**GM 1.6L Engine**

Oil Type	10W-30
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**Ford LRG-425 EFI Engine**

Oil Type	10W-40
Oil Type - cold conditions	10W-30

**Ford LRG-425 EFI Engine, EPA 2004 Compliant**

Oil Type	10W-40
Oil Type - cold conditions	5W-30

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.

**NOTICE** Perform this procedure with the platform in the stowed position and the engine off.

- 1 Visually inspect the sight gauge located on the side of the hydraulic oil tank.
- ⦿ Result: The hydraulic oil level should be within the top 2 inches / 5 cm of the sight gauge.
- 2 Add oil if necessary. Do not overfill.

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### Hydraulic oil specifications

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Hydraulic oil type	Chevron Rykon Premium MV equivalent
--------------------	--

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## Check the Engine Coolant Level



Maintaining the engine coolant at the proper level is essential to engine service life. Improper coolant level will affect the engine's cooling capability and damage engine components. Daily checks will allow the inspector to identify changes in coolant level that might indicate cooling system problems.

- 1 Check the fluid level in the radiator. Add fluid as needed.

**⚠ WARNING** Bodily injury hazard. Fluids in the radiator are under pressure and extremely hot. Use caution when removing cap and adding fluids.

## 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.

# Function Tests



## Do Not Operate Unless:

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

- 1 Avoid hazardous situations.
- 2 Always perform a pre-operation inspection.

### 3 Always perform 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.

## 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.

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

## At the Ground Controls

- 2 Pull out the platform and ground red Emergency Stop buttons to the on position.
- 3 Turn the key switch to ground control.
- ⦿ Result: The LCD screen will come on and display `SYSTEM READY`.

Note: In cold climates, the LCD readout screen will need to warm up before the display appears.

- 4 Start the engine. See Operating Instructions section.

### Test Emergency Stop

- 5 Push in the ground red Emergency Stop button to the off position.
- ⦿ Result: The engine should turn off and no functions should operate.
- 6 Pull out the red Emergency Stop button to the on position and restart the engine.

## FUNCTION TESTS

**Test Up/Down Functions and Function Enable**

The audible warnings on this machine come from the same central alarm. The descent alarm sounds at 60 beeps per minute. The alarm that goes off when the machine is not level sounds at 180 beeps per minute.

- 7 Do not push the lift function enable button. Push and hold the platform up button.



- ⦿ Result: No function should operate.
- 8 Push and hold the lift function enable button. Push and hold the platform up button.
- ⦿ Result: The platform should raise.
- 9 Push and hold the lift function enable button. Push and hold the platform down button.
- ⦿ Result: The platform should lower. The descent alarm should sound while the platform is lowering.

**Test the Auxiliary Lowering**

- 10 Push and hold the lift function enable button and raise the platform approximately 2 feet / 60 cm.
- 11 Push in the red Emergency Stop button to shut off the engine.
- 12 Pull out the red Emergency Stop button to the on position.
- 13 Push and hold the lift function enable button. Push and hold the platform down button.
- ⦿ Result: The platform should lower.
- 14 Turn the key switch to platform control and restart the engine.

**At the Platform Controls****Test Emergency Stop**

- 15 Push in the platform red Emergency Stop button to the off position.
- ⦿ Result: No functions should operate.
- 16 Pull the red Emergency Stop button out to the on position.
- ⦿ Result: The green power light should come on.

**Test the Horn**

- 17 Push the horn button.
- ⦿ Result: The horn should sound.

**Test Up/Down Functions and Function Enable**

- 18 Start the engine.
- 19 Activate the up/down rocker switch in the direction indicated by the blue arrow.
- ⦿ Result: The platform should not raise.
- 20 Push and hold the lift function enable button.
- 21 Activate the up/down rocker switch in the direction indicated by the blue arrow.
- ⦿ Result: The platform should raise.
- 22 Push and hold the lift function enable button.
- 23 Activate the up/down rocker switch in the direction indicated by the yellow arrow.
- ⦿ Result: The platform should lower. The descent alarm should sound while the platform is lowering.



## FUNCTION TESTS

### Test the Steering

Note: When performing the steer and drive function tests, stand in the platform facing the steer end of the machine.

- 24 Press and hold the function enable switch on the control handle.
- 25 Depress the thumb rocker switch on top of the control handle in the direction identified by the blue triangle on the control panel.
  - ⦿ Result: The steer wheels should turn in the direction that the blue triangle points on the control panel.
- 26 Depress the thumb rocker switch in the direction identified by the yellow triangle on the control panel.
  - ⦿ Result: The steer wheels should turn in the direction that the yellow triangle points on the control panel.

### Test Drive and Braking

- 27 Press and hold the function enable switch on the control handle.
- 28 Slowly move the control handle in the direction indicated by the blue arrow on the control panel until the machine begins to move, then return the handle to the center position.
  - ⦿ Result: The machine should move in the direction that the blue arrow points on the control panel, then come to an abrupt stop.
- 29 Press and hold the function enable switch on the control handle.
- 30 Slowly move the control handle in the direction indicated by the yellow arrow on the control panel until the machine begins to move, then return the handle to the center position.
  - ⦿ Result: The machine should move in the direction that the yellow arrow points on the control panel, then come to an abrupt stop.

Note: The brakes must be able to hold the machine on any slope it is able to climb.

### Test Limited Drive Speed

- 31 Push and hold the lift function enable button. Raise the platform approximately 6 feet / 1.83 m from the ground.
- 32 Press and hold the function enable switch on the control handle.
- 33 Slowly move the control handle to the full drive position.
  - ⦿ Result: The maximum achievable drive speed with the platform raised should not exceed 1.03 feet / 31 cm per second.

If the drive speed with the platform raised exceeds 1.03 feet / 31 cm per second, immediately tag and remove the machine from service.

## FUNCTION TESTS

**Test the Up Limit Switch and the Outriggers - GS-5390**

- 34 Push and hold the lift function enable button. Raise the platform.
- ⦿ Result: The platform should raise to 30 feet / 9.1 m and then stop. The platform should not raise above 30 feet / 9.1 m unless the outriggers are lowered.
- 35 Drive the machine forward.
- ⦿ Result: The drive function should not operate.
- 36 Lower the platform. If the platform is higher than 12 feet / 3.6 m from the ground, the outriggers will not lower.
- 37 Push and hold the auto level button. 
- 38 Activate the up/down rocker switch in the down direction.
- ⦿ Result: The outriggers should extend and level the machine. A beep will sound when the machine is level.
- 39 Raise the platform.
- ⦿ Result: The platform should raise to full height.
- 40 Lower the platform.
- 41 Push and hold the auto level button and raise the outriggers.

**Test the Tilt Sensor Operation**

Note: Perform this test from the ground with the platform controller. Do not stand in the platform.

- 42 Fully lower the platform.
- 43 Drive both wheels on one side onto a 7 inch / 18 cm block.
- 44 Raise the platform at least 12 feet / 3.6 m.
- ⦿ Result: The platform should stop and the tilt alarm will sound at 180 beeps per minute. The indicator light on the lift function enable button will be red.
- 45 Move the drive control handle in the direction indicated by the blue arrow, then move the drive control handle in the direction indicated by the yellow arrow.
- ⦿ Result: The drive function should not work in either direction.
- 46 Lower the platform and drive the machine off the block.

**Test Auxiliary Lowering**

- 47 Push and hold the lift function enable button and raise the platform approximately 2 feet / 60 cm.
- 48 Push in the red Emergency Stop button to shut off the engine.
- 49 Pull out the red Emergency Stop button to the on position.
- 50 Push and hold the lift function enable button. Activate the up/down rocker switch in the direction indicated by the yellow arrow.
- ⦿ Result: The platform should lower.

# Workplace Inspection



---

## Do Not Operate Unless:

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

- 1 Avoid hazardous situations.
- 2 Always perform a pre-operation inspection.
- 3 Always perform function tests prior to use.

### 4 Inspect the 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

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

## 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.

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

Only trained and authorized personnel should be permitted to operate a machine. If more than one operator is expected to use a machine at different times in the same work shift, they must all be qualified operators and are all expected to follow all safety rules and instructions in the operator's, safety and responsibilities manuals. That means every new operator should perform a pre-operation inspection, function tests, and a workplace inspection before using the machine.

## OPERATING INSTRUCTIONS

## Emergency Stop

Push in the red Emergency Stop button to the off position at the ground controls or the platform controls to stop all machine functions and turn the engine off.

Repair any function that operates when either red Emergency Stop button is pushed in.

## Starting the Engine

- 1 At the ground controls, turn the key switch to the desired position.
- 2 Be sure both ground and platform red Emergency Stop buttons are pulled out to the on position.

### Gasoline/LPG models

- 3 If desired, select LPG by pushing the LPG button.
- 4 Push the engine start button.

### Diesel models

- 3 Push and hold the glow plug button for 3 to 5 seconds.
- 4 Push the engine start button.

### All models

If the engine fails to start after 15 seconds of cranking, determine the cause and repair any malfunction. Wait 60 seconds before trying to start again.

In cold conditions, 20°F / -6°C and below, warm the engine for 5 minutes before operating to prevent hydraulic system damage.

In extreme cold conditions, 0°F / -18°C and below, machines should be equipped with optional cold start kits. Attempting to start the engine when temperatures are below 0°F / -18°C may require the use of a booster battery.

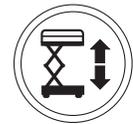
Gasoline/LPG models: In cold conditions, 20°F / -6°C and below, the machine should be started on gasoline and warmed for 2 minutes, then switched to LPG. Warm engines can be started on LPG.

## Operation From Ground

- 1 Turn the key switch to ground control.
- 2 Pull out both ground and platform red Emergency Stop buttons to the on position.
- 3 Start the engine.

### To Position Platform

- 1 Push and hold the lift function enable button.
- 2 Activate the up function or the down function.



Drive and steer functions are not available from the ground controls.

### Engine Idle Select

Select the engine idle (rpm) by pressing the idle select button. There are three settings for engine idle.



- Indicator light off: low idle
- Indicator light blinking: high idle activated by any function enable button
- Indicator light on: high idle

## Operation From Platform

- 1 Turn the key switch to platform control.
- 2 Pull out both ground and platform red Emergency Stop buttons to the on position.
- 3 Start the engine.

OPERATING INSTRUCTIONS

**To Position Platform**

- 1 Push and hold the lift function enable button.
- 2 Activate the up/down rocker switch in the desired direction.



**To Steer**

- 1 Press and hold the function enable switch on the controller.
- 2 Turn the steer wheels with the thumb rocker switch located on the top of the control handle.

**To Drive**

- 1 Press and hold the function enable switch on the controller.
- 2 Increase speed: Slowly move the control handle off center.

Decrease speed: Slowly move the control handle toward center.

Stop: Return the control handle to center or release the function enable switch.

Use the color-coded direction arrows on the platform controls and on the platform to identify the direction the machine will travel.

Machine travel speed is restricted when the platform is raised.

**Drive Select Switch**



Machine on incline symbol:  
Low range operation for inclines

**Indicator Light On Red**



If the indicator light is on red, push in and pull out the red Emergency Stop button to reset the system.

If the light stays red, tag and remove the machine from service.

**To Extend and Retract Platform**

- 1 Lift the platform extension lock handle to the horizontal position.
- 2 Push the platform extension lock handle to extend the platform to the desired position.

Do not stand on the platform extension while trying to extend it.

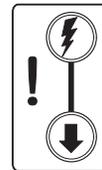
- 3 Lower the platform extension lock handle.

**Auxiliary Lowering**

**At the Ground Controls**

Push and hold the lift function enable button and activate the down function.

In the event of a power failure, use the backup auxiliary lowering function.



**At the Platform Controls**

Push and hold the lift function enable button and activate the up/down rocker switch in the down direction.

**Operation From Ground with Controller**

Maintain safe distances between the operator, the machine and fixed objects.

Be aware of the direction the machine will travel when using the controller.

## OPERATING INSTRUCTIONS

## Outrigger Operation (if equipped)

- 1 Position the machine below the desired work area.

Note: The engine must be running for the outriggers to operate.

- 2 Push and hold the auto level button.



- 3 Activate the up/down rocker switch in the down direction. The outriggers will extend and level the machine. A beep will sound when the machine is level.

The indicator light on the lift function enable button will turn red when one but not all outriggers are down. All drive and lift functions are disabled.



The light turns green on the lift function enable button and on the individual outrigger buttons when all the outriggers are in firm contact with the ground.

The drive function is disabled while the outriggers are down.

### To control individual outriggers

- 1 Push and hold one or more outrigger buttons.
- 2 Activate the outrigger up/down rocker switch in the desired direction to level the machine.

## 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.

## After Each Use

- 1 Select a safe parking location—firm level surface, clear of obstructions 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 Chock the wheels.

# Transport and Lifting Instructions



## Observe and Obey:

- ☑ Common sense and planning must be applied to control the movement of the machine when lifting it with a crane.
- ☑ 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 plate for the machine weight.
- ☑ The machine must be on a level surface or secured before releasing the brakes.

## Free-wheel Configuration for Winching

Chock the wheels to prevent the machine from rolling.

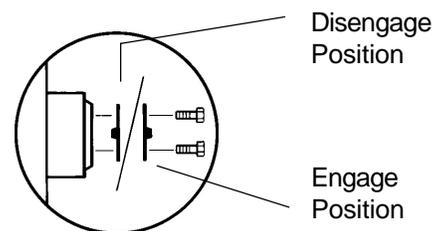
2WD models: Release the non-steer wheel brakes by turning over the torque hub disconnect caps (see below).

4WD models: Release the wheel brakes by turning over all four torque hub disconnect caps (see below).

Be sure the winch line is properly secured to the drive chassis tie points and the path is clear of all obstructions.

Reverse the procedures described to re-engage the brakes.

Note: The pump free-wheel valve should always remain closed.



## TRANSPORT AND LIFTING INSTRUCTIONS

**Securing to Truck or Trailer for Transit**

Always chock the machine wheels in preparation for transport.

Retract and secure the extension deck(s).

Use the tie-down points on the chassis for anchoring down to the transport surface.

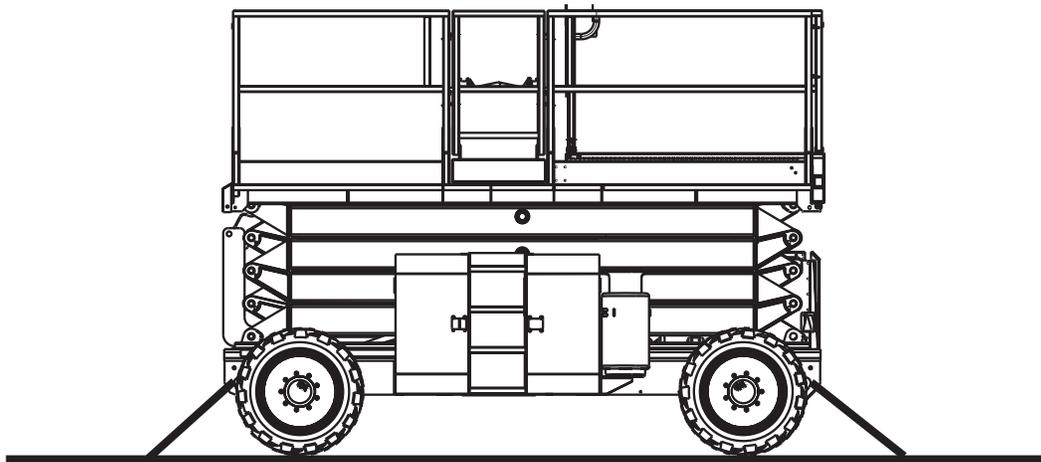
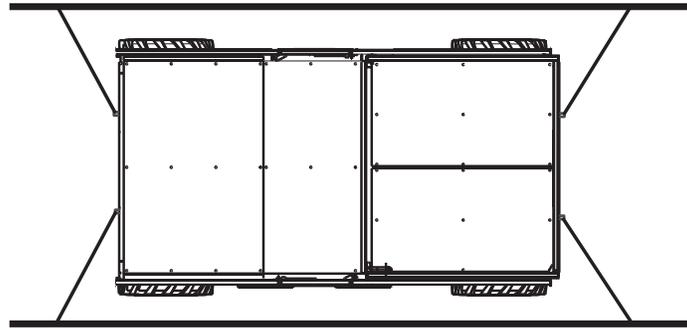
Use a minimum of four chains or straps.

Use chains or straps of ample load capacity.

Turn the key switch to the off position and remove the key before transporting.

Inspect the entire machine for loose or unsecured items.

If the railings have been folded down, secure them with straps before transporting.



TRANSPORT AND LIFTING INSTRUCTIONS



**Observe and Obey:**

- Only qualified riggers should rig and lift the machine.
- Be sure the crane capacity, loading surfaces and straps or lines are sufficient to withstand the machine weight. See serial plate.

**Lifting Instructions**

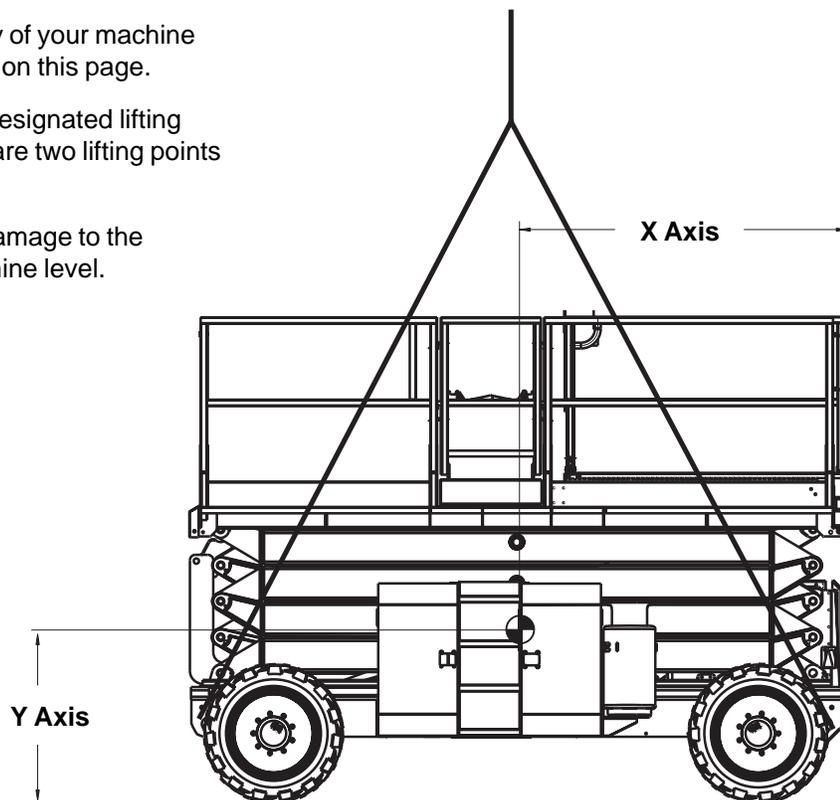
Fully lower the platform. Be sure the extension decks, controls and covers are secure. Remove all loose items on the machine.

Determine the center of gravity of your machine using the table and the picture on this page.

Attach the rigging only to the designated lifting points on the machine. There are two lifting points on each end of the machine.

Adjust the rigging to prevent damage to the machine and to keep the machine level.

Center of gravity	X Axis	Y Axis
<b>GS-3384</b> without outriggers	74.7 in 1.8 m	38.2 in 97.0 cm
<b>GS-3384</b> with outriggers	75.1 in 1.9 m	37.2 in 94.5 cm
<b>GS-3390</b> without outriggers	74.7 in 1.8 m	38.2 in 97.0 cm
<b>GS-3390</b> with outriggers	75.1 in 1.9 m	37.2 in 94.5 cm
<b>GS-4390</b> without outriggers	74.7 in 1.8 m	42.1 in 1.0 m
<b>GS-4390</b> with outriggers	75.1 in 1.9 m	39.8 in 1.0 m
<b>GS-5390</b>	76.0 in 1.9 m	42.7 in 1.0 m



# Decals

## Inspection for Decals with Words - GS-3384 and GS-3390

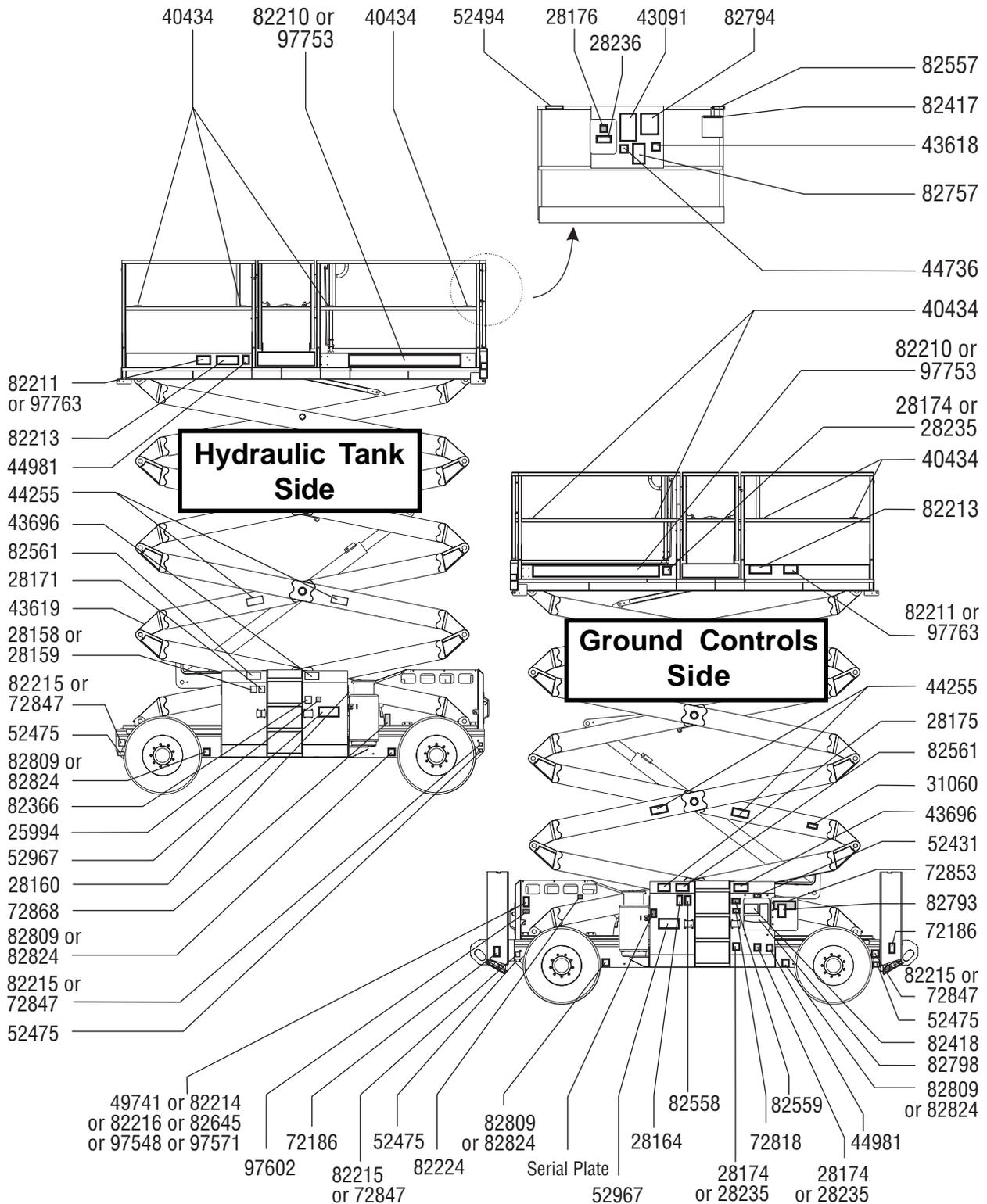
Determine whether the decals on your machine have words or symbols. Use the appropriate inspection to verify that all decals are legible and in place.

Part No.	Description	Quantity
25994	Caution - Component Damage	1
28158	Label - Unleaded	1
28159	Label - Diesel	1
28160	Label - LPG (1 additional with extra LPG tank option)	1
28164	Notice - Hazardous Materials	1
28171	Label - No Smoking	1
28174	Label - Power to Platform, 230V	3
28175	Caution - Compartment Access	1
28176	Notice - Missing Manuals	1
28235	Label - Power to Platform, 115V	3
28236	Warning - Failure To Read . . .	1
31060	Danger - Do Not Alter Limit Switch	1
40434	Label - Lanyard Anchorage	8
43091	Danger - General Safety Rules	1
43618	Label - Directional Arrows	1
43619	Label - Safety Arm	1
43696	Danger - Electrocutation Hazard	2
44255	Danger - Crushing Hazard	4
44736	Danger - Tilt Alarm	1
44981	Label - Air Line to Platform	2
49741	Notice - Ford EFI Engine Specs	1
52431	Label - Ground Control Panel	1
52475	Label - Transport Tie-down	4
52494	Caution - Crushing Hazard, Rails	1
52967	Cosmetic - 4x4	2
72186	Caution - Crushing Hazard	4

Part No.	Description	Quantity
72818	Label - Test Mode Swtich	1
72847	Notice - Tire Specifications, High Flotation	4
72853	Danger - Improper Use Hazard	1
72868	Label - Engine Tray Prop	1
82210	Cosmetic - Genie GS-3384	2
82211	Notice - Max Side Force, 350 lbs / 1557 N, ANSI & CSA	2
82213	Notice - Max Capacity, 2500 lbs / 1134 kg	2
82214	Notice - GM Engine Specs	1
82215	Notice - Tire Specifications	4
82216	Notice - Deutz Diesel Engine Specs	1
82224	Label - HOT, Ford Tier II Engines	1
82366	Label - Chevron Rykon	1
82417	Platform Control Panel	1
82418	Ground Control Panel	1
82557	Label - Platform Controls Location	1
82558	Warning - Skin Injection Hazard	1
82559	Notice - Annual Inspection	1
82561	Danger - Crushing Hazard	2
82645	Notice - Deutz Diesel Engine Specs	1
82757	Danger - Outrigger Safety and Instructions	1
82793	Notice - Operating Instructions, Ground	1
82794	Notice - Operating Instructions, Platform	1
82798	Ground Control Panel	1
82809	Label - Wheel Load, GS-3384	4
82824	Label - Wheel Load, GS-3390	4
97548	Notice - Deutz Engine Specs, Tier II	1
97571	Notice - Ford LRG-425 Eng. Spec, Tier II	1
97602	Warning - Explosion, Ether	1
97753	Cosmetic - Genie GS-3390	1
97763	Notice - Max Side Force, 90 lbs / 400 N, Australia	2

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

DECALS



## DECALS

## Inspection for Decals with Symbols - GS-3384 and GS-3390

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.

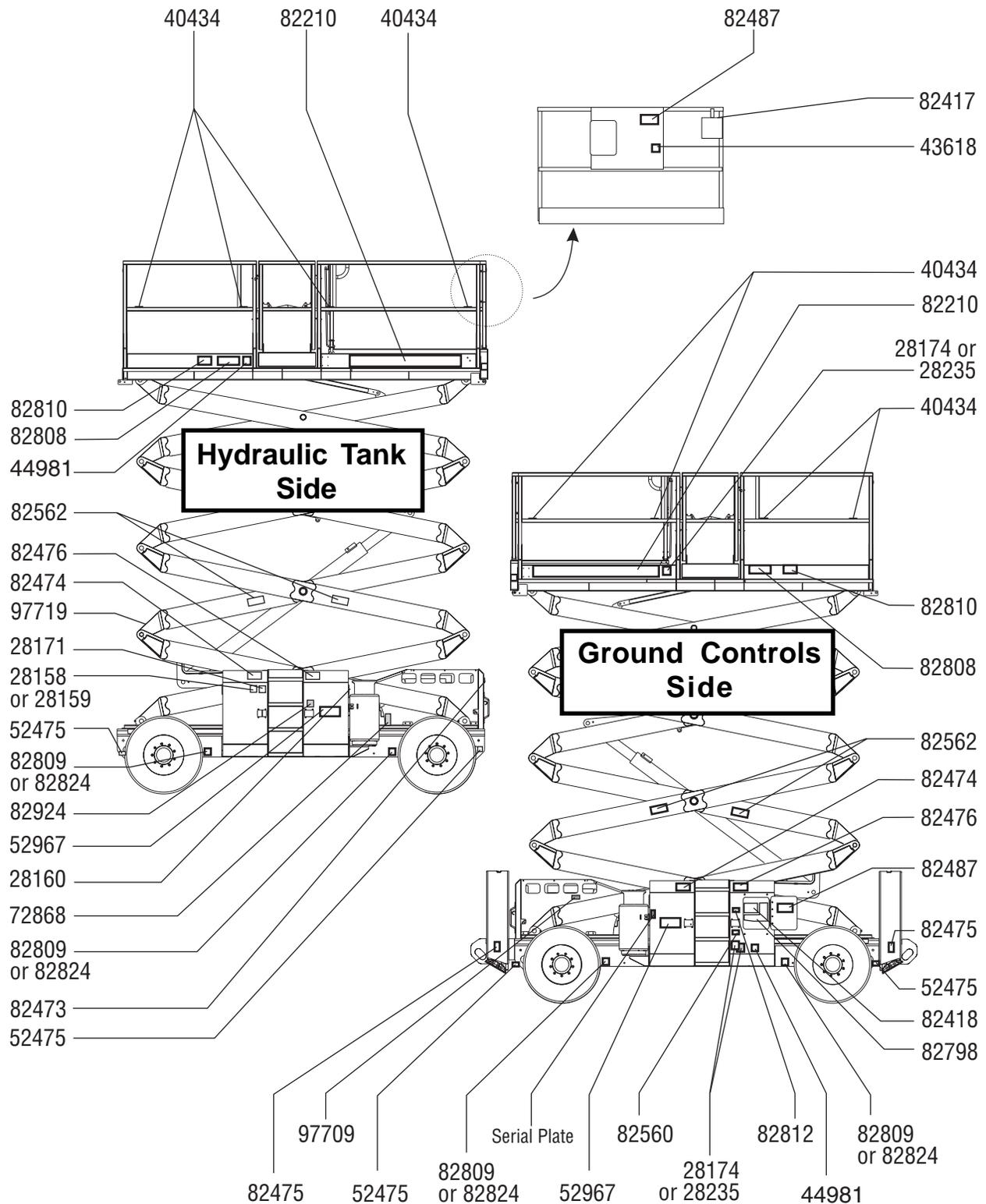
Part No.	Description	Quantity
28158	Label - Unleaded	1
28159	Label - Diesel	1
28160	Label - LPG (1 additional with extra LPG tank option)	1
28171	Label - No Smoking	1
28174	Label - Power to Platform, 230V	3
28235	Label - Power to Platform, 115V	3
40434	Label - Lanyard Anchorage	8
43618	Label - Directional Arrows	1
44981	Label - Air Line to Platform	2
52475	Label - Transport Tie-down	4
52967	Cosmetic - 4x4	2
72868	Label - Engine Tray Prop	1
82210	Cosmetic - Genie GS-3384	2
82417	Platform Control Panel	1
82418	Ground Control Panel	1

Part No.	Description	Quantity
82473	Caution - Compartment Access	2
82474	Warning - Safety Chock	2
82475	Caution - Crushing Hazard	4
82476	Danger - Electrocutation Hazard	2
82487	Label - Read the Manual	2
82560	Warning - Skin Injection Hazard	1
82562	Danger - Crushing Hazard	4
82798	Ground Control Panel	1
82808	Danger - Max Capacity, 1134 kg	2
82809	Label - Wheel Load, GS-3384	4
82810	Danger - Max Side Force, 1557 N, ANSI	2
82812	Label - Read the Service Manual	1
82824	Label - Wheel Load, GS-3390	4
82924	Caution - Component Damage	1
97709	Label - HOT	1
97719	Label - Safety Arm	1
97753	Cosmetic - GS-3390	1



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

DECALS



## DECALS

## Inspection for Decals with Words - GS-4390 and GS-5390

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.

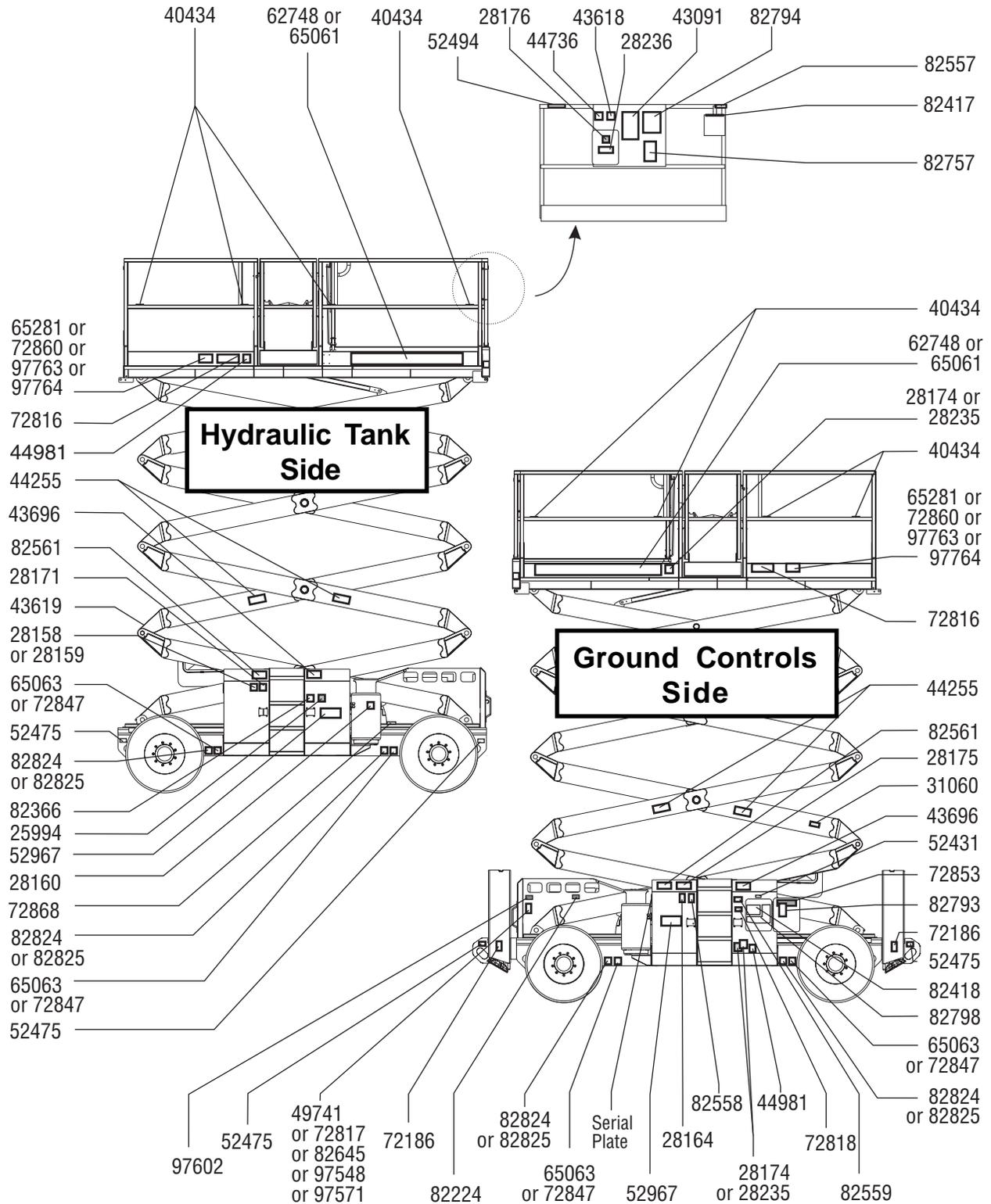
Part No.	Description	Quantity
25994	Warning - Component Damage	1
28158	Label - Unleaded	1
28159	Label - Diesel	1
28160	Label - LPG (1 additional with extra LPG tank option)	1
28164	Notice - Hazardous Materials	1
28171	Label - No Smoking	1
28174	Label - Power to Platform, 230V	3
28175	Caution - Compartment Access	1
28176	Notice - Missing Manuals	1
28235	Label - Power to Platform, 115V	3
28236	Warning - Failure To Read . . .	1
31060	Danger - Do Not Alter Limit Switch	1
40434	Label - Lanyard Anchorage	8
43091	Danger - General Safety Rules	1
43618	Label - Directional arrows	1
43619	Label - Safety Arm	1
43696	Danger - Electrocutation Hazard	2
44255	Danger - Crushing Hazard	4
44736	Danger - Tilt Alarm	1
44981	Label - Air Line to Platform	2
49741	Notice - Ford EFI Engine Specs	1
52431	Label - Ground Control Panel	1
52475	Label - Transport Tie-down	4
52494	Caution - Crushing Hazard - Rails	1
52967	Cosmetic - 4x4	2
62748	Cosmetic - Genie GS-4390	2
65061	Cosmetic - Genie GS-5390	2

Part No.	Description	Quantity
65063	Notice - Tire Specifications	4
65281	Notice - Max Side Force, 350 lbs / 1557 N, ANSI & CSA - GS-4390	2
72186	Caution - Crushing Hazard	4
72816	Notice - Max Capacity, 1500 lbs / 680 kg	2
72817	Notice, Deutz Diesel Engine Specs	1
72818	Label - Test Mode Swtich	1
72847	Notice - Tire Specifications, High Flotation	4
72853	Danger - Improper Use Hazard	1
72860	Notice - Max Side Force, 300 lbs / 1335 N, ANSI & CSA - GS-5390	2
72868	Label - Engine Tray Prop	1
82224	Label - HOT, Ford Tier II Models	1
82366	Label - Chevron Rykon	1
82417	Platform Control Panel	1
82418	Ground Control Panel	1
82557	Label - Platform Controls Location	1
82558	Warning - Skin Injection Hazard	1
82559	Notice - Annual Inspection	1
82561	Danger - Crushing Hazard	2
82645	Notice - Deutz Diesel Engine Specs	1
82757	Danger - Outrigger Safety and Instructions	1
82793	Notice - Operating Instructions, Ground	1
82794	Notice - Operating Instructions, Platform	1
82798	Ground Control Panel	1
82824	Label - Wheel Load, GS-4390	4
82825	Label - Wheel Load, GS-5390	4
97548	Notice - Deutz Engine Specs, Tier II	1
97571	Notice - Ford LRG-425 Eng. Spec, Tier II	1
97602	Warning - Explosion, Ether	1
97763	Notice - Max Side Force, 90 lbs / 400 N, Australia - GS-4390	2
97764	Notice - Max Side Force, 90 lbs / 400 N, Australia - GS-5390	2



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

DECALS



## DECALS

## Inspection for Decals with Symbols - GS-4390 and GS-5390

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.

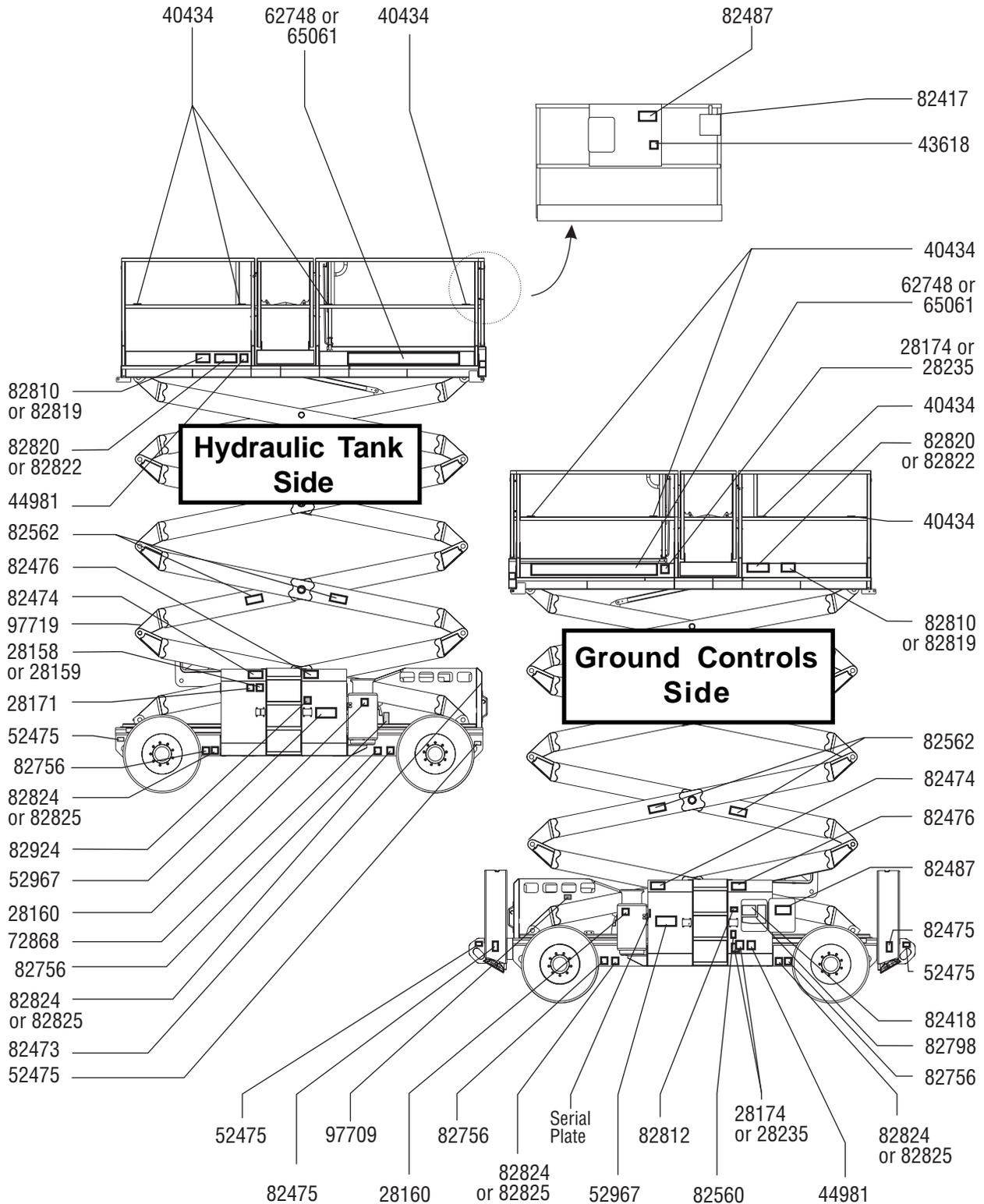
Part No.	Description	Quantity
28159	Label - Diesel	1
28160	Label - LPG (1 additional with extra LPG tank option)	1
28171	Label - No Smoking	1
28174	Label - Power to Platform, 230V	3
28235	Label - Power to Platform, 115V	3
40434	Label - Lanyard Anchorage	8
43618	Label - Directional Arrows	1
44981	Label - Air Line to Platform	2
52475	Label - Transport Tie-down	4
52967	Cosmetic - 4x4	2
62748	Cosmetic - Genie GS-4390	2
65061	Cosmetic - Genie GS-5390	2
72868	Label - Engine Tray Prop	1
82417	Platform Control Panel	1
82418	Ground Control Panel	1
82473	Caution - Compartment Access	1
82474	Warning - Safety Chock	2
82475	Caution - Crushing Hazard	4

Part No.	Description	Quantity
82476	Danger - Electrocutation Hazard	2
82487	Label - Read the Manual	2
82560	Warning - Skin Injection Hazard	1
82562	Danger - Crushing Hazard	4
82756	Label - Tire Pressure, High Flotation	4
82798	Ground Control Panel	1
82810	Danger - Max Side Force, 1557 N - GS-4390, ANSI	2
82812	Label - Read the Service Manual	1
82819	Danger - Max Side Force, 1335 N, - GS-5390, ANSI	2
82820	Danger - Max Capacity, 680 kg - GS-4390, ANSI	2
82822	Danger - Max Capacity, 680 kg - GS-5390, ANSI	2
82824	Label - Wheel Load, GS-4390	4
82825	Label - Wheel Load, GS-5390	4
82924	Caution - Component Damage	1
97709	Label - HOT	1
97719	Label - Safety Arm	1



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

DECALS



# Specifications

<b>GS-3384</b>		
Height, working maximum	39 ft	12.1 m
Height, platform maximum	33 ft	10.1 m
Height, stowed maximum Rails up	105 <sup>1</sup> / <sub>2</sub> in	2.7 m
Height, stowed maximum Rails lowered	78 <sup>3</sup> / <sub>4</sub> in	2.0 m
Width, standard tires	84 in	2.1 m
Length, platform retracted Models with one extension deck	155 <sup>1</sup> / <sub>4</sub> in	3.9 m
Length, platform extended Models with one extension deck	212 <sup>1</sup> / <sub>2</sub> in	5.4 m
Length, platform retracted Models with two extension decks	156 <sup>1</sup> / <sub>2</sub> in	3.9 m
Length, platform extended Models with two extension decks	258 <sup>1</sup> / <sub>2</sub> in	6.6 m
Length, platform retracted Models with outriggers Models with two super decks	192 in	4.9 m
Length, platform extended Models with two super decks	290 <sup>1</sup> / <sub>2</sub> in	7.4 m
Maximum load capacity	2500 lbs	1134 kg
Wheelbase	113 <sup>1</sup> / <sub>2</sub> in	2.9 m
Turning radius (outside)	234 in	5.9 m
Turning radius (inside)	121 <sup>1</sup> / <sub>2</sub> in	3.1 m
Ground clearance	13 in	33 cm
Weight (Machine weights vary with option configurations)	See Serial Plate	
Gradeability	50%	

Airborne noise emissions Maximum sound level at normal operating workstations (A-weighted)	80 dB	
Controls	Proportional	
AC outlet in platform	standard	
Maximum hydraulic pressure (functions)	3500 psi	241.3 bar
Tire size - standard tires	10-16.5 NHS	
Tire size - high flotation tires	33/16LL500, 10 ply	

## Platform dimensions

Platform length x width	150 in x 72 in	3.8 x 1.8 m
Platform extension length	60 in	1.5 m

## Drive speeds

Stowed, maximum	4 mph	6.4 km/h
Platform raised, maximum	0.7 mph 40 ft/39 sec	1.1 km/h 12.2 m/39 sec

## Floor Loading Information

GVW+Rated Load	14,270 lbs	6473 kg
Axle load, maximum	7600 lbs	3447 kg
Wheel load, maximum	3800 lbs	1724 kg
Outrigger load, maximum	3800 lbs	1724 kg
Localized pressure per tire	105.6 psi	7.43 kg/cm <sup>2</sup> 728 kPa
Occupied pressure	158 psf	7.56 kPa

Note: Floor loading information is approximate and does not incorporate different option configurations. It should be used only with adequate safety factors.

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Product specifications are subject to change without notice or obligation.

## SPECIFICATIONS

<b>GS-3390</b>		
Height, working maximum	39 ft	12.1 m
Height, platform maximum	33 ft	10.1 m
Height, stowed maximum Rails up	105 <sup>1</sup> / <sub>2</sub> in	2.7 m
Height, stowed maximum Rails lowered	78 <sup>3</sup> / <sub>4</sub> in	2.0 m
Width, standard tires	90 in	2.3 m
Length, platform retracted Models with one extension deck	155 <sup>1</sup> / <sub>4</sub> in	3.9 m
Length, platform extended Models with one extension deck	212 <sup>1</sup> / <sub>2</sub> in	5.4 m
Length, platform retracted Models with two extension decks	156 <sup>1</sup> / <sub>2</sub> in	3.9 m
Length, platform extended Models with two extension decks	258 <sup>1</sup> / <sub>2</sub> in	6.6 m
Length, platform retracted Models with outriggers Models with two super decks	192 in	4.9 m
Length, platform extended Models with two super decks	290 <sup>1</sup> / <sub>2</sub> in	7.4 m
Maximum load capacity	2500 lbs	1134 kg
Wheelbase	115 in	2.9 m
Turning radius (outside)	210 in	5.3 m
Turning radius (inside)	85 in	2.2 m
Ground clearance	14 in	36 cm
Weight (Machine weights vary with option configurations)	See Serial Plate	
Gradeability	50%	

Airborne noise emissions Maximum sound level at normal operating workstations (A-weighted)	80 dB	
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Controls	Proportional	
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AC outlet in platform	standard	
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Maximum hydraulic pressure (functions)	3500 psi	241.3 bar
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Tire size - standard tires	12 x 21.5	
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Tire size - high flotation tires	33/16LL500, 10 ply	
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**Platform dimensions**

Platform length x width	150 in x 72 in	3.8 x 1.8 m
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Platform extension length	60 in	1.5 m
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**Drive speeds**

Stowed, maximum	5 mph	8 km/h
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Platform raised, maximum	0.7 mph	1.1 km/h
	40 ft/39 sec	12.2 m/39 sec

**Floor Loading Information**

GVW+Rated Load	14,585 lbs	6616 kg
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Axle load, maximum	9000 lbs	4082 kg
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Wheel load, maximum	4500 lbs	2041 kg
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Outrigger load, maximum	4500 lbs	2041 kg
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Localized pressure per tire	125 psi	8.8 kg/cm <sup>2</sup> 862 kPa
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Occupied pressure	151 psf	7.2 kPa
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Note: Floor loading information is approximate and does not incorporate different option configurations. It should be used only with adequate safety factors.

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## SPECIFICATIONS

<b>GS-4390</b>		
Height, working maximum	49 ft	15.1 m
Height, platform maximum	43 ft	13.1 m
Height, stowed maximum Rails up	115 <sup>1</sup> / <sub>2</sub> in	2.9 m
Height, stowed maximum Rails lowered	88 <sup>3</sup> / <sub>4</sub> in	2.9 m
Width, standard tires	90 in	2.3 m
Width, high-flotation tires	101 in	2.6 m
Length, platform retracted Models with one extension deck	155 <sup>1</sup> / <sub>4</sub> in	3.9 m
Length, platform extended Models with one extension deck	212 <sup>1</sup> / <sub>2</sub> in	5.4 m
Length, platform retracted Models with two extension decks	156 <sup>1</sup> / <sub>2</sub> in	3.9 m
Length, platform extended Models with two extension decks	258 <sup>1</sup> / <sub>2</sub> in	6.6 m
Length, platform retracted Models with outriggers Models with two super decks	192 in	4.9 m
Length, platform extended Models with two super decks	290 <sup>1</sup> / <sub>2</sub> in	7.4 m
Maximum load capacity	1500 lbs	680 kg
Wheelbase	115 in	2.9 m
Turning radius (outside)	210 in	5.3 m
Turning radius (inside)	85 in	2.2 m
Ground clearance	14 in	36 cm
Weight	See Serial Plate (Machine weights vary with option configurations)	
Gradeability	50%	

Airborne noise emissions Maximum sound level at normal operating workstations (A-weighted)	80 dB	
Controls	Proportional	
AC outlet in platform	standard	
Maximum hydraulic pressure (functions)	3500 psi	241.3 bar
Tire size - standard tires	12 x 21.5	
Tire size - high flotation tires	33/16LL500, 10 ply	

**Platform dimensions**

Platform length x width	150 in x 72 in	3.8 x 1.8 m
Platform extension length	60 in	1.5 m

**Drive speeds**

Stowed, maximum	5 mph	8 km/h
Platform raised, maximum	0.7 mph 40 ft/39 sec	1.1 km/h 12.2 m/39 sec

**Floor Loading Information**

GVW+Rated Load	15,280 lbs	6931 kg
Axle load, maximum	9000 lbs	4082 kg
Wheel load, maximum	4500 lbs	2041 kg
Outrigger load, maximum	4500 lbs	2041 kg
Localized pressure per tire	125 psi	8.8 kg/cm <sup>2</sup> 862 kPa
Occupied pressure	158 psf	7.55 kPa

Note: Floor loading information is approximate and does not incorporate different option configurations. It should be used only with adequate safety factors.

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SPECIFICATIONS

<b>GS-5390</b>		
Height, working maximum	59 ft	18.2 m
Height, platform maximum	53 ft	16.2 m
Height, stowed maximum Rails up	124 in	3.15 m
Height, stowed maximum Rails lowered	97 <sup>1</sup> / <sub>4</sub> in	2.5 m
Width, standard tires	90 in	2.3 m
Width, high-flotation tires	101 in	2.6 m
Length, platform retracted Models with one extension deck	192 in	4.9 m
Length, platform extended Models with one extension deck	231 <sup>1</sup> / <sub>2</sub> in	5.9 m
Length, platform retracted Models with two extension decks	192 in	4.9 m
Length, platform extended Models with two extension decks	258 <sup>1</sup> / <sub>2</sub> in	6.6 m
Length, platform retracted Models with outriggers Models with two super decks	192 in	4.9 m
Length, platform extended Models with two super decks	290 <sup>1</sup> / <sub>2</sub> in	7.4 m
Maximum load capacity	1500 lbs	680 kg
Wheelbase	115 in	2.9 m
Turning radius (outside)	210 in	5.3 m
Turning radius (inside)	85 in	2.2 m
Ground clearance	14 in	36 cm
Weight	See Serial Plate (Machine weights vary with option configurations)	
Gradeability	40%	

Airborne noise emissions	80 dB	
Maximum sound level at normal operating workstations (A-weighted)		
Controls	Proportional	
AC outlet in platform	standard	
Maximum hydraulic pressure (functions)	3500 psi	241.3 bar
Tire size - standard tires	12 x 21.5	
Tire size - high flotation tires	33/16LL500, 10 ply	

**Platform dimensions**

Platform length x width	150 in x 72 in	3.8 x 1.8 m
Platform extension length	60 in	1.5 m

**Drive speeds**

Stowed, maximum	5 mph	8 km/h
Platform raised, maximum	0.7 mph	1.1 km/h
	40 ft/39 sec	12.2 m/39 sec

**Floor Loading Information**

GVW+Rated Load	18,225 lbs	8267 kg
Axle load, maximum	10,600 lbs	4808 kg
Wheel load, maximum	5300 lbs	2404 kg
Outrigger load, maximum	5300 lbs	2404 kg
Localized pressure per tire	147.2 psi	10.36 kg/cm <sup>2</sup> 1015 kPa
Occupied pressure	188 psf	9.01 kPa

Note: Floor loading information is approximate and does not incorporate different option configurations. It should be used only with adequate safety factors.

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# California Proposition 65

# WARNING

The exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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