

# Operator Manual

***AB62***

**SERIAL NO. 1266 to Current**

## **WARNING**

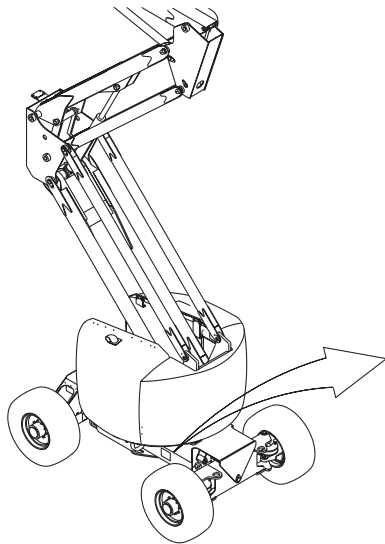
**All personnel shall carefully read, understand and follow all safety rules, operating instructions, and the Scaffold Industry Association's MANUAL OF RESPONSIBILITIES of ANSI A92.6-1999 before performing maintenance on or operating any UpRight Aerial Work Platform.**

# AB62

## Aerial Work Platform

### Serial Numbers 1266 - Current

When contacting UpRight for service or parts information, be sure to include the MODEL and SERIAL NUMBERS from the equipment nameplate. Should the nameplate be missing, the SERIAL NUMBER is also stamped on top of the chassis above the front axle pivot.



<b>UpRight Inc.</b>	
1775 PARK ST. SELMA CALIFORNIA 93662 USA	
Model: _____	Serial number: _____
GVW: _____ lbs. _____ kg.	Mfg. date: _____
Maximum allowable incline of machine when elevated: _____ deg.	
Occupants and equipment must not exceed the rated maximum load: _____ lbs. _____ kg	
Maximum platform occupants: _____	
Maximum allowable side force on platform: _____ lbs. _____ N	
Maximum platform height: _____ ft. _____ m	
Maximum platform reach: _____ ft. _____ m	
Maximum allowable wind speed: _____ mph _____ km/h	
Maximum hydraulic system pressure: _____ psi _____ bar	
Maximum system voltage: _____ vdc	
This machine is manufactured to comply with ANSI A92.5-1992.	
CAUTION: CONSULT OPERATOR'S MANUAL BEFORE USE.	
THIS PLATFORM IS NOT ELECTRICALLY INSULATED	

#### UpRight, Inc.

801 South Pine Street  
Madera, California 93637

TEL: 559-662-3900

FAX: 559-673-6184

PARTS: 1-888-UR-PARTS

PARTS FAX: 1-800-669-9884

# UpRight

Call Toll Free in U.S.A.

1-800-926-LIFT

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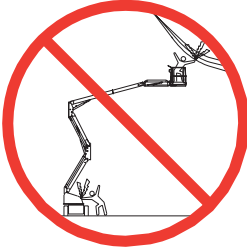
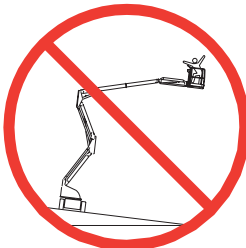
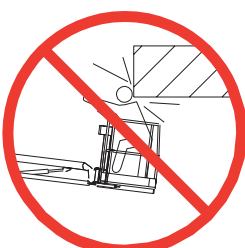
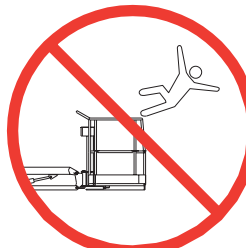
FAX: +353 1 620 9301

# OPERATOR MANUAL

## WARNING

All personnel shall carefully read, understand and follow all safety rules and operating instructions before operating or performing maintenance on any UpRight aerial work platform.

## Safety Rules

Electrocution Hazard	Tip Over Hazard	Collision Hazard	Fall Hazard
			
<b>NEVER</b> operate the machine within ten (10) feet of power lines. <b>THIS MACHINE IS NOT INSULATED.</b>	<b>NEVER</b> operate the boom or drive with the platform elevated unless on firm, level surface.	<b>NEVER</b> position the platform without first checking for overhead obstructions or other hazards.	<b>NEVER</b> climb, stand or sit on the platform guardrails or midrail.

- **ALL OCCUPANTS** must wear an approved fall restraint properly attached to a designated anchorage point. Attach only one fall restraint to each anchorage point.
- **NEVER** exceed the maximum platform load. See "Specifications" on page 20.
- **NEVER** operate the machine without first surveying the work area for surface hazards such as holes, drop-offs, bumps, curbs, or debris.
- **ALWAYS** close and secure entrance after entering the platform.
- **NEVER** use ladders or scaffolding on the platform.
- **NEVER** attach overhanging loads or use the aerial work platform as a crane or lifting tool.
- **LOOK** up, down and around for overhead obstructions and electrical conductors.
- **DISTRIBUTE** all platform loads evenly on the platform.
- **NEVER** use damaged equipment. (Contact UpRight for instructions. See toll free phone number on inside back cover.)
- **NEVER** change operating or safety systems.
- **INSPECT** the machine thoroughly for cracked welds, loose or missing hardware, hydraulic leaks, damaged cables or hoses, loose wire connections, and wheel bolts.
- **NEVER** climb down the elevating assembly when the platform is elevated.
- **IF ALARM SOUNDS** while the platform is elevated, **STOP**, carefully lower the platform. Move the machine to a firm, level surface.
- **IN CASE OF EMERGENCY** push the Emergency Stop button to cut power to all machine functions.
- **NEVER** recharge batteries near sparks or open flame; batteries that are being charged emit explosive hydrogen gas.
- **NEVER** replace any component or part with anything other than original UpRight replacement parts without the manufacturer's written consent.
- **VERIFY** that all labels are in place and legible before using.
- **NEVER** tow the machine. Transport by truck or trailer only.
- **AFTER USE**, secure the work platform against unauthorized use by turning key switches off and removing all keys.

### California Proposition 65 Warning

Gasoline and diesel engine exhaust and some of their constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Battery Posts, terminals and related accessories contain lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.

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## INTRODUCTION

This manual covers the operation of the AB62 Articulated Boom. **This manual must be stored on the machine at all times.**

## GENERAL DESCRIPTION

Figure 2: AB62 Work Platform

### 1. Platform

- The platform has a non-slip aluminum floor, guardrails with midrail, toeboards, and an entrance gate at the rear of the platform.

### 2. Platform Controls

- The Platform Controller is located at the front of the platform cage. The foot switch must be depressed to operate any function from the platform.

### 3. Riser

- Used to raise the platform.

### 4. Boom

- Used to extend the platform.

### 5. Jib

- Used to level and rotate the platform, and to raise or lower the platform at the end of the boom.

### 6. Power Module

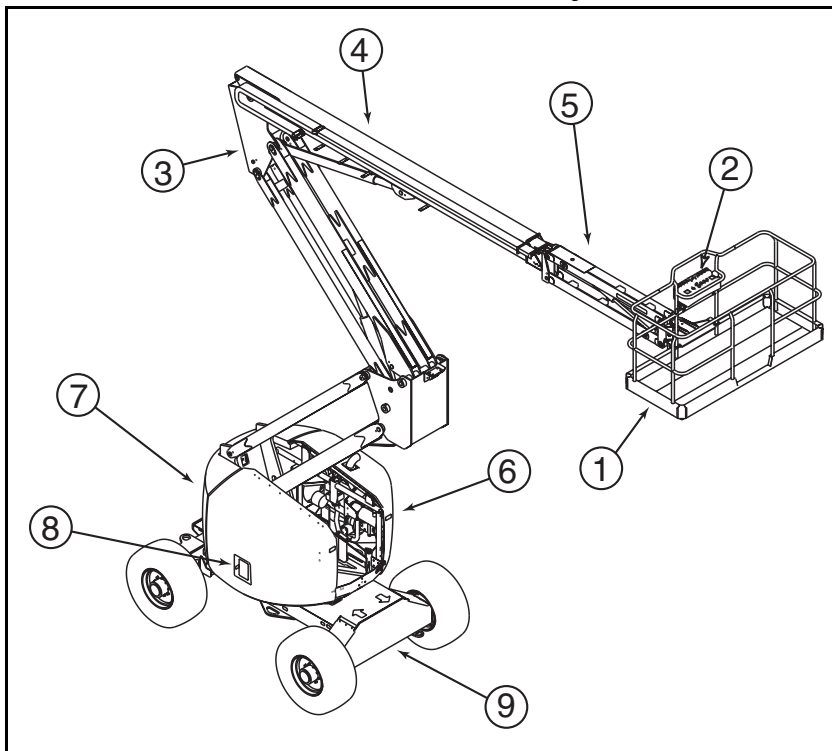
- The Power Module contains the engine and the hydraulic pump.

### 7. Control Module

- The Control Module contains the fuel tank, hydraulic fluid tank and components, the hydraulic manifold, the batteries, and the Chassis Controller.

### 8. Chassis Controls

### 9. Chassis



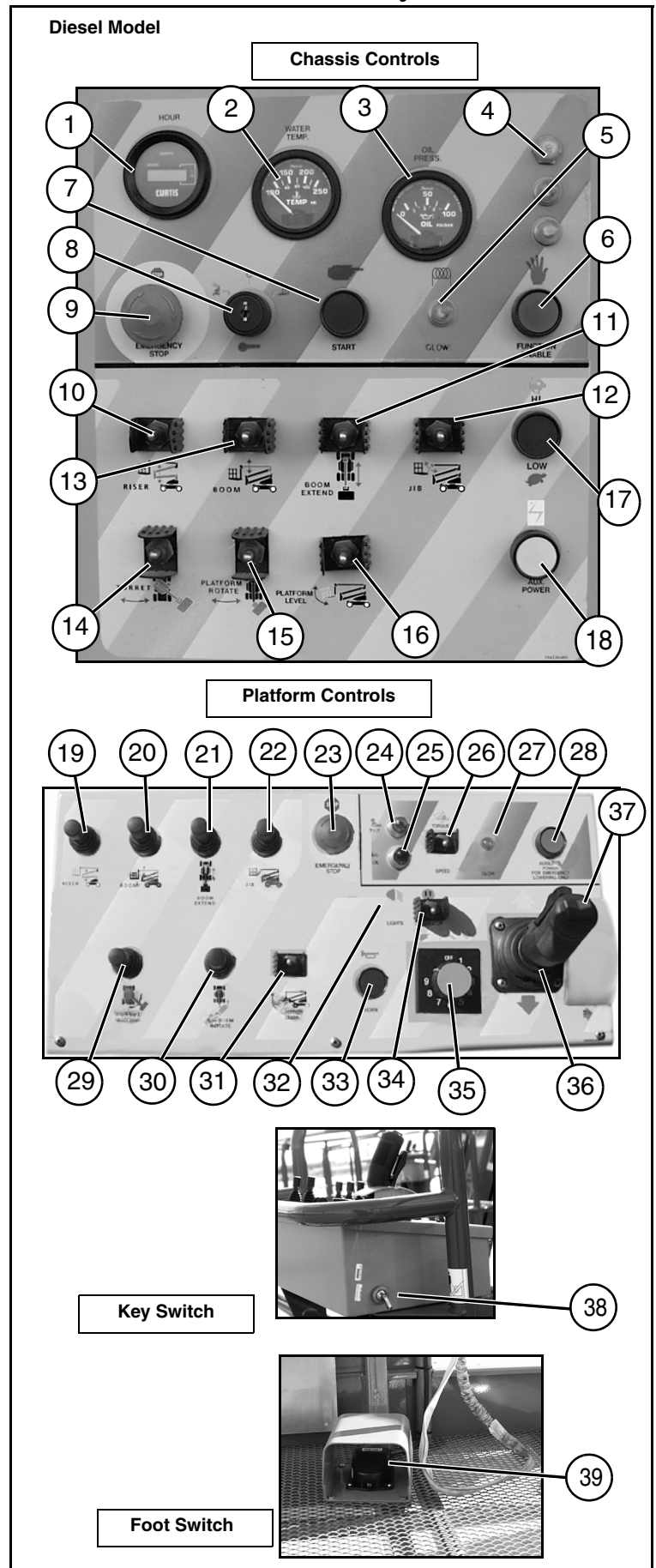
## ! WARNING !

*DO NOT use the work platform without guardrails properly assembled and in place.*

# CONTROLS AND INDICATORS

Figure 3: Controls and Indicators

1. Hour Meter
2. Water Temp.
3. Oil Pressure
4. Breaker
5. Diesel - Glow Plug Light  
Gasoline/LPG - Plugged
6. Function Enable
7. Engine Start
8. Key Switch
9. Emergency Stop
10. Riser
11. Boom Extend/Retract
12. Jib Raise/Lower
13. Boom Raise/Lower
14. Turret Rotate
15. Platform Rotate
16. Platform Level
17. Function Speed HI/LOW
18. Auxiliary Power
19. Riser
20. Boom Raise
21. Boom Extend
22. Jib Raise
23. Emergency Stop
24. YELLOW-Tilt
25. RED-Oil Pressure Warning
26. Torque / Speed
27. Diesel - Glow Plug Light  
Gasoline/LPG - Fuel Selector Switch
28. Auxiliary Power
29. Turret Rotate
30. Cage Rotate
31. Cage Level
32. Auxiliary Light (option)
33. Horn
34. Generator (option)
35. Function Speed
36. Drive Control Handle
37. Steering Rocker Switch
38. Key Switch
39. Foot Switch



# PRE-OPERATION SAFETY INSPECTION

## VISUAL INSPECTION

**NOTE:** Carefully read, understand and follow all safety rules, labels, and operating instructions; then perform the following steps each day before use.

Perform a complete visual inspection of the entire unit prior to operating. Check the following areas for discrepancies:

1. Open the covers and check hydraulic components and hoses for damage or leaks.
2. Check electrical components and wiring for damage or loose connections.
3. Inspect the chassis, axles, hubs, and steering linkage for damage, deformation, buckled paint, loose or missing hardware, and cracked welds.
4. Air-filled tires: check for damage, punctures, and inflation; tire pressure must be 5.5 bar (**80 psi**).
5. Check all hoses and cables for wear.
6. Inspect the elevating assembly for damage, deformation, buckled paint, loose or missing hardware, and cracked welds.
7. Inspect the platform and guardrails for damage, deformation, buckled paint, loose or missing hardware, and cracked welds. Ensure that the gate operates freely and latches securely.
8. Check the hydraulic fluid level with the platform fully lowered.
9. Check the battery fluid level.
10. Check the fuel level; add fuel if necessary.
11. **Dual Fuel Models:** See "Switching Fuels (LPG Option)" on page 11.

**NOTE:** When using propane, use clean, water free liquid petroleum gas, preferably from a bulk storage tank.

### ! WARNING !

*If you smell propane, close the supply valve on the tanks immediately until you have located and corrected the leak.*

12. Ensure that the radiator is cold; check coolant level. Add if necessary.

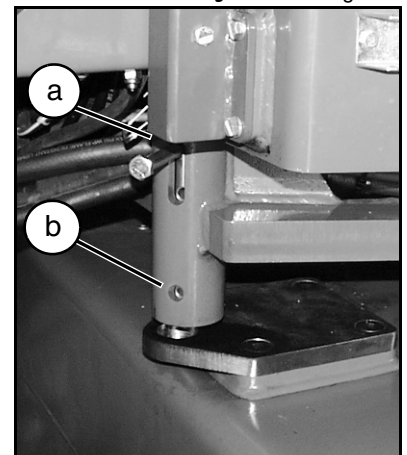
### ! WARNING !

*NEVER remove the cap from a hot radiator. Hot coolant can cause severe burns.*

13. Retract the locking pins.
  - The locking pins prevent turret rotation during transport and loading or unloading from a truck or trailer. There are two pins; one on each side, at the base of the turret, at the front of the machine.
    - a. Lift the locking pin with the pin stop rod.
    - b. Insert the snap pin into the bottom hole.

**NOTE:** Locking pins must be engaged for loading or unloading the machine onto a truck or trailer, and during transport.

**Figure 4:** Locking Pin



## SYSTEM FUNCTION INSPECTION

1. Move the machine to a firm level surface with room to fully elevate and extend the platform.
2. Before performing the following tests, check the area around the machine and overhead for obstructions, holes, drop-offs, and debris.
3. Ensure that the locking pins are retracted (refer to Figure 4 on page 5).

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### CAUTION

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*Attempting to rotate the turret with locking pins engaged may cause damage to the machine.*

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4. Turn the chassis key switch to the left (CHASSIS).
5. Pull out the Emergency Stop switches to the ON position at the chassis control panel and at the platform control panel.
6. Turn the key switch ON.
  - a. **Gasoline/LPG:** Press the Engine Start button to crank the engine.
  - b. **Diesel:** Wait for Glow Plug light to go off. When the Glow Plug light goes off, start engine.
7. Push in the Chassis Emergency Stop button; the engine should stop. Return the Chassis Emergency Stop button to the ON position, and start the engine.
8. Push in the Platform Emergency Stop button; the engine should stop. Return the Platform Emergency Stop button to the ON position, and start the engine.
9. Make sure that the Function Speed Control (on the platform controls) is not at zero.
  - Operate each function switch on the lower control panel to raise/lower, extend/retract, rotate left/right, each section of the elevating assembly, and observe the operation of the machine.
  - All functions should operate through full cycle smoothly.
10. Stop the engine.
11. Turn chassis key switch to the right (PLATFORM).
12. Mount the platform, lower the bar, and attach an approved fall restraint to the designated platform anchorage point. Attach only one fall restraint to each point.
13. Start the engine.
14. Without depressing the foot switch, move the Drive Control handle; the machine should not function.
15. Depress the foot switch and move the Drive Control handle forward and reverse. Observe that the proportional functions operate smoothly, and that the brakes apply quickly after the control is released.
16. While depressing the foot switch, operate the steer switch to left and right. Observe that the steering wheels turn properly.
17. While depressing the foot switch, turn the Function Speed Control knob to the desired setting, and operate the boom controls.
  - Observe that the boom operates smoothly, and that the upper boom, jib, turret rotation, platform level, riser, and boom extend operate proportionally in conjunction with the Function Speed Control knob.
  - Observe that the platform maintains level when the boom is elevated.
18. With the upper boom elevated 0,3 m (1 ft.), operate the Drive Control handle. Observe that the drive speed is limited to creep (0,3 m [1 ft.] per second). Lower the upper boom to the stowed position.
19. With the upper boom extended 0,3 m (1 ft.), operate the Drive Control handle. Observe that the drive speed is limited to creep (0,3 m [1 ft.] per second). Retract the upper boom to the stowed position.
20. Press the Service Horn button. Observe that the horn is audible.

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### WARNING

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*DO NOT use a machine that is damaged or malfunctioning. Tag and remove the unit from service until it is repaired.*

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## OPERATION

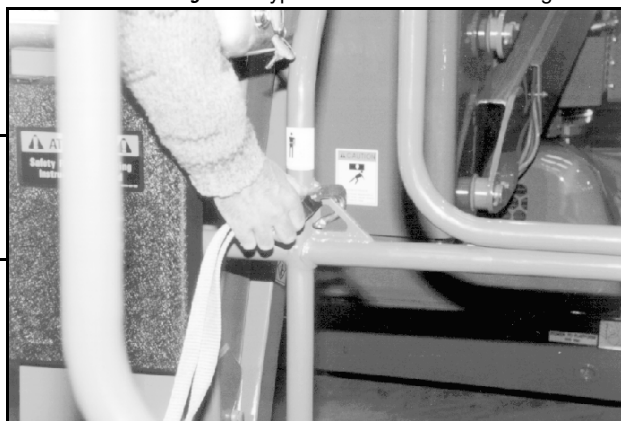
Before operating the work platform ensure that:

- Pre-operation and safety inspection has been completed, and any discrepancies have been corrected.
- The operator has been thoroughly trained on the operation of the machine.
- The work area is clear of all obstructions, holes, drop-offs, or persons in the route of travel.
- The surface is capable of supporting wheel loads.

### **WARNING**

*Always wear an approved fall restraint properly attached to the designated platform anchorage point when driving or elevating the machine. Attach only one fall restraint to each anchorage point.*

**Figure 5:** Typical Fall Restraint Anchorage Point



## CONTROLLER FUNCTIONS

Refer to Figure 3 on page 4 for control locations.



### **EMERGENCY STOP**

At any time during operation, press the Emergency Stop button to stop all functions in an emergency.



### **SERVICE HORN**

At any time during operation, press the Service Horn button to sound an audible warning if necessary.



## **STARTING THE ENGINE**

### **FROM THE LOWER CONTROLS**

1. Turn platform controls key to the ON position.
  - Diesel: wait for the Glow Plug light to go off.
2. Turn the chassis controls key switch to the left (CHASSIS) position.
3. Press the Start button to crank the engine. Release when the engine starts.

### **FROM THE PLATFORM CONTROLS**

1. Turn the chassis controls key switch to the right (PLATFORM) position.
2. Turn platform controls key to the ON position.
  - Diesel: wait for the Glow Plug light to go off.
3. Turn the platform lever switch fully clockwise to crank the engine. Release when the engine starts.



## DRIVING

### WITH BOOM LOWERED

1. Turn the chassis key switch to PLATFORM, and turn on (turn clockwise) the chassis Emergency Stop switch.
2. Mount the platform, close and latch the gate.
3. Attach an approved fall restraint to the designated platform anchorage point. Attach only one fall restraint to each point.
4. Start the engine.
5. Check that the area around and above the work platform is clear of obstructions, holes, drop-offs, persons in the route of travel, and that the surface is capable of supporting wheel loads.
6. Depress the foot switch and move the drive control handle forward to travel forward and reverse to travel in the reverse direction.

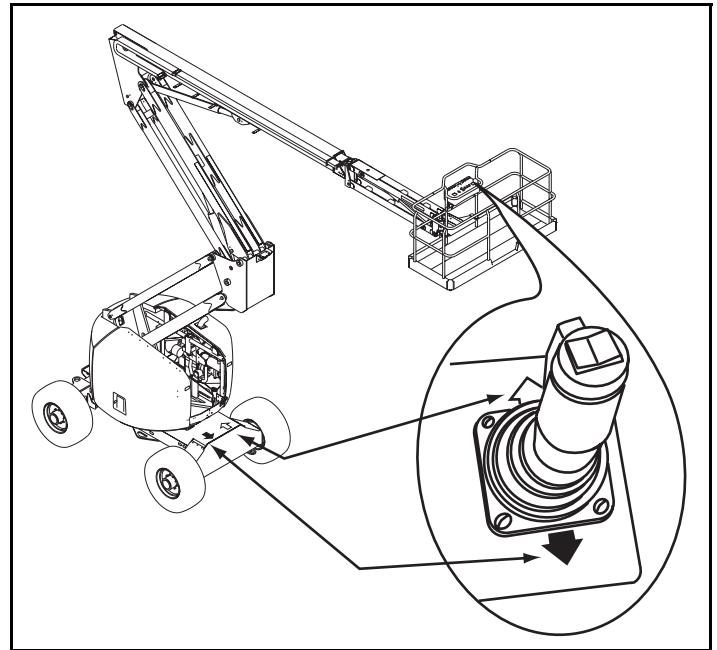
**NOTE:** When the boom is rotated to the front of the chassis (steering wheels aft), directions of travel and steering will be reversed. Observe the color-coded arrows on the control panel near the drive control handle and on the chassis. They will indicate the direction of travel when the drive control handle is moved.

### WITH BOOM ELEVATED

Travel with the boom elevated is restricted to firm, level surfaces only.

When driving with the boom elevated or extended, the machine will travel at creep speed (0,3 m [1 ft.] per second).

**Figure 6:** Direction Arrows on Chassis



## STEERING

1. Depress the foot switch.
2. Push the steering rocker switch to the left to turn left.
3. Push the steering rocker switch to the right to turn right.

**NOTE:** Steering is not self-centering. Wheels must be returned to the straight ahead position by operating the steering switch.

**NOTE:** When the boom is rotated to the front of the chassis (steering wheels aft), directions of travel and steering will be reversed. Observe the color-coded arrows on the control panel near the drive control handle and on the chassis. They will indicate the direction of travel when the drive control handle is moved. Refer to Figure 6 on page 8.

## POSITIONING THE PLATFORM

Positioning the platform as close as possible to the work area requires some planning. First, you must survey the work site to find a suitable place to park the machine. This must be a firm, level area as close as possible to the work area. Take into consideration all obstructions on the ground and overhead, and avoid them.

Once you have moved the machine to a firm, level surface as near as possible to the work area, follow the instructions on the following pages to position the platform as close to the work area as possible.

Always, before operating any function, check the area around and overhead for any obstructions or electrical conductors.

### **WARNING**

*NEVER exit the platform while the boom is elevated. Keep both feet on the platform floor at all times.*

## MULTIFUNCTION CONTROLS

The UpRight AB62 employs the use of multifunction controls. This means that the riser or boom extension will function at full speed while simultaneously operating the upper boom, jib, turret, or rotating the platform.

### **WARNING**

*If the tilt alarm sounds, lower and retract the boom, then drive the machine to a firm, level surface before elevating.*

## LOWER CONTROL OPERATION

All boom functions will operate at the speed selected by the upper speed control functions.

**NOTE:** The Platform Ignition switch must be turned ON in order to operate the lower controls.

1. Turn ON the platform ignition switch.
2. Turn the chassis key switch to the left (chassis).
3. With the engine running, operate the boom control switches to position the platform.
  - If slower operation is desired, move the Function Speed (HI/LOW) switch to the low position (see Figure 3 on page 4).
4. The Hi/Low switch will select between maximum speed and a lower fixed Function Speed, depending on the position of the platform Function Speed control.

## UPPER CONTROL OPERATION

1. Turn the chassis key switch to the left (Platform).
2. Turn ON the platform ignition switch.



## LEVELING THE PLATFORM

### **⚠ WARNING ⚠**

*DO NOT operate the machine if the platform does not maintain level when elevated.*

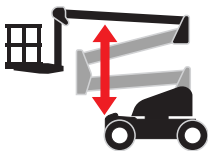
**NOTE:** Platform leveling should be done only to calibrate the automatic leveling system.

1. Set the Function Speed control dial to the desired setting. Rotate the dial clockwise to increase speed, counterclockwise to decrease. If you are not sure what speed to use, start out slow; the speed can be varied while operating the function.
2. While depressing the foot switch, push the Platform Level control switch forward to swing the platform upward, rearward to swing the platform downward. Release the switch to stop leveling.



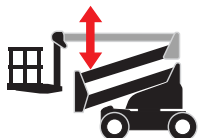
## ROTATING THE TURRET

1. Set the Function Speed control dial to the desired setting. Rotate the dial clockwise to increase speed, counterclockwise to decrease. If you are not sure what speed to use, start out slow; the speed can be varied while operating the function.
2. While depressing the footswitch, push the Turret Rotation control lever right to rotate counterclockwise; left to rotate clockwise. Release the switch to stop rotation. Observe the area around the boom when rotating the turret to avoid any obstructions.



## ELEVATING THE RISER

1. Set the Function Speed control dial to the desired setting. Rotate the dial clockwise to increase speed, counterclockwise to decrease.
2. While depressing the foot switch, push the Riser control lever forward to elevate the riser, rearward to lower the riser. Release the control lever to stop elevating/lowering.



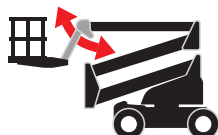
## ELEVATING THE UPPER BOOM

1. Set the Function Speed control dial to the desired setting. Rotate the dial clockwise to increase speed, counterclockwise to decrease. If you are not sure what speed to use, start out slow; the speed can be varied while operating the function.
2. While depressing the foot switch, push the upper Boom control lever forward to elevate the upper boom, rearward to lower the upper boom. Release the control lever to stop elevating/lowering.



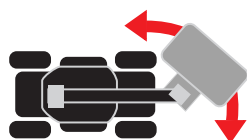
## EXTENDING THE UPPER BOOM

1. Set the Function Speed control dial to the desired setting. Rotate the dial clockwise to increase speed, counterclockwise to decrease. If you are not sure what speed to use, start out slow; the speed can be varied while operating the function.
2. While depressing the foot switch, push the Boom Extend control lever rearward to extend the boom, forward to retract the boom. Release the control lever to stop extending/retracting.



## ELEVATING THE JIB

1. Set the Function Speed control dial to the desired setting. Rotate the dial clockwise to increase speed, counterclockwise to decrease. If you are not sure what speed to use, start out slow; the speed can be varied while operating the function.
2. While depressing the foot switch, push the Jib control lever forward to elevate the jib, rearward to lower the jib. Release the control lever to stop elevating/lowering.



## ROTATING THE PLATFORM

1. While depressing the foot switch, push the Platform Rotate control lever right to go counterclockwise and left to go clockwise. Release the lever to stop rotation.

## SWITCHING FUELS (LPG OPTION)

1. With the engine running, turn the fuel selector switch to the opposite position.
  - The engine should continue running on the selected fuel.
2. If the engine stalls, check the following:
  - check the fuel supply in the selected tank.
  - if LPG is selected, make sure that the valve is open on the tanks.
3. Restart the engine.

## EMERGENCY OPERATION

In the event of a powered function failure, the elevating assembly may be lowered by using the Auxiliary Power Unit. Hold in the Auxiliary Power button and operate the Lowering Controls as normal.

### ⚠ WARNING ⚠

*NEVER climb down the elevating assembly. If controls do not respond, ask someone on the ground to lower the boom manually.*

## AFTER USE EACH DAY

1. Ensure that the platform is fully lowered.
2. Park the machine on level ground, preferably under cover
3. Secure against vandals, children or unauthorized operation.
4. Turn the upper key switch to OFF.
5. Turn the lower key switch to the center position (OFF).
6. Remove all keys to prevent unauthorized operation.

## TOWING

Perform the following only when the machine will not operate under its own power and it is necessary to move the machine or when winching onto a trailer for transportation

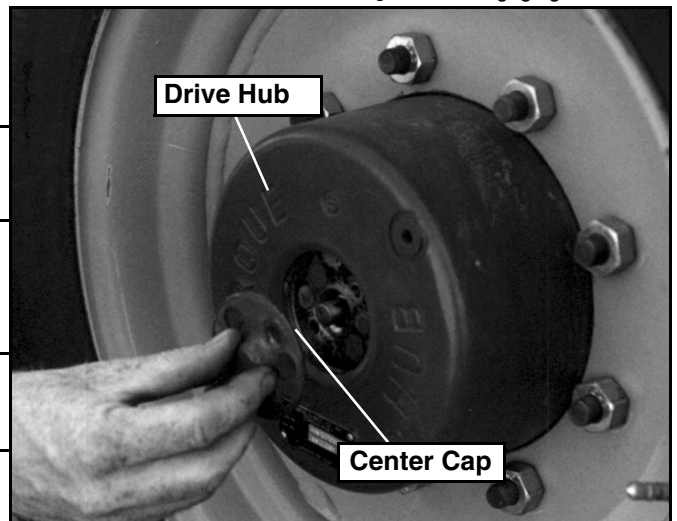
Figure 7: Disengaging Drive Hub

### CAUTION

*DO NOT move the machine faster than 5 km/h (3 mph). Faster speeds will damage drive components and void warranty.*

### ⚠ WARNING ⚠

*Never disengage the hubs unless the wheels are properly chocked and the machine is on a level surface.*



1. Chock the wheels.
2. Ensure that the platform is fully lowered, and that the turret is rotated so that the platform is to the rear of the machine.
3. Attach a chain or cable of sufficient strength for towing the machine to the front or rear tie down lugs.
4. Refer to Figure 7 and disengage all four drive hubs. Remove the two screws and center cap. Re-install the center cap in the opposite direction.

**NOTE:** When hubs are disengaged, the brakes are ineffective. The machine will roll freely.

### ⚠ WARNING ⚠

*Chock the wheels before disengaging the hubs. The machine may roll.*

5. When ready to move the machine, remove the chocks. Tow or winch into position and replace the chocks.
6. Engage all four drive hubs by returning the center caps to their original orientation.

# TRANSPORTATION

## BY CRANE

1. Ensure that the boom is fully lowered and retracted.
2. Ensure that the locking pins are engaged (refer to Figure 4 on page 5).
3. Attach straps to the Chassis Lifting lugs only. Ensure that the straps are adjusted properly to keep the unit level when lifting.

## BY TRUCK OR TRAILER

1. Ensure that the boom is fully lowered and retracted.
2. Ensure that the locking pins are engaged (refer to Figure 4 on page 5).

## DRIVE ONTO TRANSPORT VEHICLE

1. Raise the jib before the machine starts up or down the ramp to avoid the platform contacting ground.
2. Maneuver the machine onto the bed of the truck/trailer.

## WINCH ONTO TRANSPORT VEHICLE

1. When winching, follow instructions for "Towing" on page 12. Attach the winch cable to the front tie down lugs.

## CAUTION

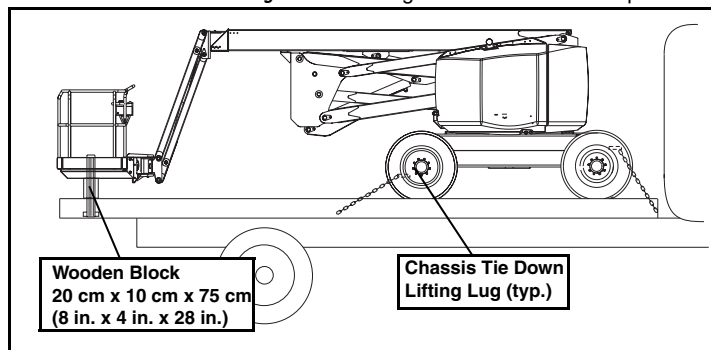
*Do not winch the machine faster than 5 km/h (3 mph). Faster speeds will damage drive components and void warranty.*

2. After winching, ensure that the wheels are chocked.

## SECURE TO TRANSPORT VEHICLE

1. Secure the machine to the transport vehicle using chains or straps of adequate load capacity attached to chassis tie down lugs (refer to "Specifications" on page 20).
2. Place a wooden block, 20 cm x 10 cm x 75 cm (7.5 in. x 4 in. x 28 in.), under the platform support braces as shown.
3. Attach a ratchet strap under the platform floor grating, and over the support braces. Tighten securely; do not over-tighten.

**Figure 8:** Securing the Machine for Transportation



## WARNING

*NEVER elevate the machine while on a truck or trailer.*



## DAILY MAINTENANCE

### FUELING

Stop the engine and turn off the key switch before re-fueling.

#### GASOLINE

1. Open the left turret cover, then open the fill cap.
2. Fill to capacity with unleaded gasoline only.
  - Fuel tank full capacity is 159 liters (**42 US gallons**).
3. Install the cap.

#### DIESEL

1. Open the left turret cover, then open the fill cap.
2. Fill to capacity with diesel motor fuel only, grade #1-D or #2-D. Use distillate fuel only; do not use residual or blend.
  - Fuel tank full capacity is 159 liters (**42 US gallons**).
3. Install the cap.



Figure 9: Fuel Tank

#### LPG (OPTION)

1. Unfasten the coupler from the LPG valve on the tanks.
2. Remove the LPG tanks from the machine and fill according to ASME, NFPA and local standards.

**IMPORTANT:** When using propane, use clean, water free liquid petroleum gas, preferably from a bulk storage tank.

### WARNING

*If you smell propane, close the supply valve on both tanks immediately until you have located and corrected the leak.*

### HYDRAULIC FLUID

1. Open the turret cover and check the fluid level at the sight gauge with the boom stowed and retracted; engine running or stopped.

**NOTE:** Never add hydraulic fluid if the boom is elevated or extended.

2. If necessary, fill to capacity with clean ISO compatible hydraulic fluid.
  - Normal Temperature, above 0° C (**32° F**) \_\_ ISO #46.
  - Low Temperature, below 0° C (**32° F**) \_\_\_\_ ISO #32.
  - Extreme Temperature, below -17° C (**0° F**) ISO #15.
3. Clean the area around the cap before opening.
4. Open the filler/breather cap to add hydraulic fluid.
5. Install the cap.

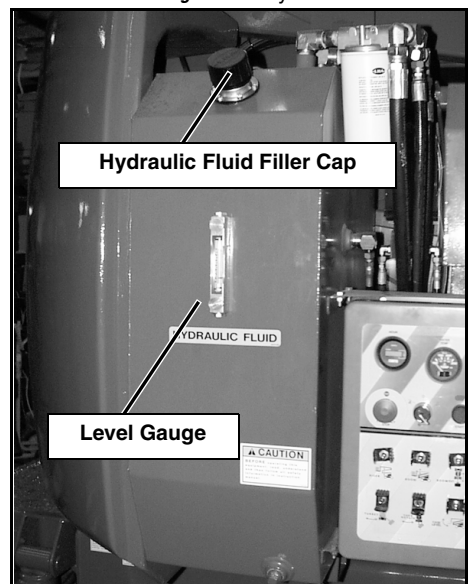


Figure 10: Hydraulic Fluid Tank



## BATTERY MAINTENANCE

### **W A R N I N G**

*Hazard of explosive gas mixture. Keep sparks, flame, and smoking material away from battery.*

*Always wear safety glasses when working with batteries.*

*Battery fluid is highly corrosive. Thoroughly rinse away any spilled fluid with clean water.*

*Always replace batteries with UpRight batteries or manufacturer approved replacements weighing  $\geq 28$  kg (**62 lbs.**) each.*

---

Check battery fluid level daily.

If the electrolyte level is lower than 10 mm (**3/8 in.**) above plates, add distilled water **ONLY**. Do not use tap water with high mineral content; it will shorten battery life.

The battery and cables should be inspected regularly for signs of cracks in the case, electrolyte leakage and corrosion of the terminals. Inspect the cables for worn spots or breaks in the insulation and for broken cable terminals.

Refer to the Service Manual to extend battery life and for complete service instructions.

## TIRES

Tire selection can affect the stability of the machine. Use only tires supplied by the manufacturer unless approved by the UpRight in writing.

Check air filled tire pressure daily. Inflate to 5,5 bar (**80 psi**).

Optional poly-filled tires do not require air pressure.

**INSPECTION AND MAINTENANCE SCHEDULE**

The complete inspection consists of visual and operational checks, together with all necessary minor adjustments to assure proper performance. Daily inspection will prevent abnormal wear and prolong the life of all systems.

A thorough inspection and maintenance shall be performed by personnel who are trained and familiar with mechanical and electrical procedures at regular intervals. Refer to the Service Manual for the Preventative Maintenance Check List.

Please photocopy the Daily Preventative Maintenance Check List and use the table as a checklist when inspecting the machine for service.

# DAILY PREVENTATIVE MAINTENANCE CHECK LIST

## MAINTENANCE TABLE KEY

Y = Yes/Acceptable

N = No/Not Acceptable

R = Repaired/Acceptable

## PREVENTATIVE MAINTENANCE REPORT

Date: \_\_\_\_\_

Owner: \_\_\_\_\_

Model No: \_\_\_\_\_

Serial No: \_\_\_\_\_

Serviced By: \_\_\_\_\_

COMPONENT	INSPECTION OR SERVICES	Y	N	R
Battery	Check electrolyte level			
Engine Oil and Filter	Check level and condition			
	Check for leaks			
Engine Fuel System	Check fuel level			
	Check for leaks			
	Check air cleaner			
Engine Coolant	Check coolant level (with engine cold)			
Hydraulic Fluid	Check fluid level			
Hydraulic System	Check for leaks			
Emergency Hydraulic System	Operate the emergency lowering valve and check for serviceability			
Controller	Check operation of all controls			
Control Cable	Check the exterior of the cable for pinching, binding or wear			
Platform Floor and Rails	Check fasteners for proper torque			
	Check welds for cracks			
	Check condition of platform			
	Check condition of anchorage points			
	Check condition of operator manual			

COMPONENT	INSPECTION OR SERVICES	Y	N	R
Tires	Check for damage			
	Check air pressure (5,5 bar <b>[80 psi]</b> )			
Hydraulic Pump	Check for hose fitting leaks			
Hydraulic Drive System	Check hydraulic drive motor operation			
	Check hoses, fittings, and valve block for leaks			
Torque Hubs	Check for leaks			
Steering System	Check for missing/loose retainers			
Elevating Assembly	Inspect for structural cracks			
	Check members for deformation			
Chassis	Check hoses for pinch or rubbing points			
	Check welds for cracks			
Turret	Check ring gear for proper lubrication and wear			
Entire Unit	Check for and repair collision damage			
Labels	Check for peeling, missing, or unreadable labels & replace			

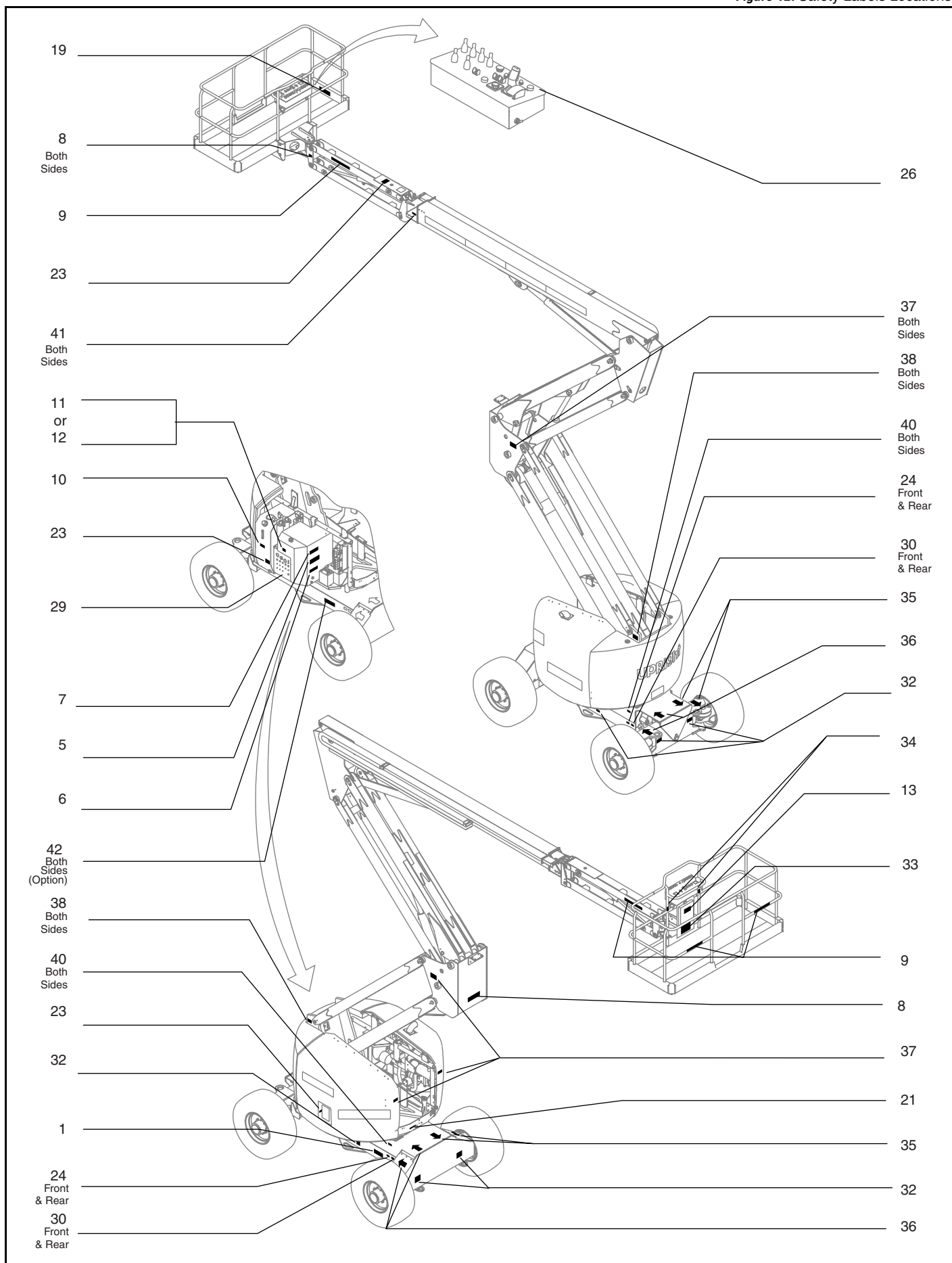
# SAFETY LABELS

Proper label installation is required. All of these labels shall be present and in good condition before operating the work platform. Be sure to read, understand and follow these labels **BEFORE** operating the work platform.

Figure 11: Safety Labels

	<b>POWER TO PLATFORM</b>	
1) 061205-002	21) 068639-000	33) 068633-000
5) 066552-000	23) 066554-000	34) 068635-000
6) 005221-000	24) 068979-000	35) 068637-000
7) 066555-001	26) Diesel 104562-000 Gasoline 104562-001	36) 068637-001
8) 066556-000	29) Diesel 104330-000 Gasoline 104330-001	37) 066553-004
		38) 066553-005
9) 066553-001	<b>HYDRAULIC FLUID</b>	
10) 060197-000		40) 062814-000
	30) 066562-005	
11) 027898-001		41) 100346-000
	32) 068632-000	
12) 064166-000		42) 064189-001
13) 010076-001		
19) 062557-012		

Figure 12: Safety Labels Locations



# SPECIFICATIONS

Specifications are subject to change without notice. Hot weather or heavy use may affect performance.

ITEM	Specification	Reach Envelope Diagram
Height		
Working Height	20,7 m [68 ft.]	
Max. Platform Height	18,9 m [62 ft.]	
Platform step in Height	343 mm [13.5 in.]	
Up and Over Height	9,1m [30 ft.]	
Drivable Height	18,9 m [62 ft.]	
Horizontal Outreach	10,7 m [35 ft.]	
Turret Rotation	360° Continuous	
Platform Rotation	180°	
Tail Swing	0	
Jib Length	1,9 m [6ft. 4 in.]	
Jib Arc	140°	
Inside Turning Radius	2,5 m [8 ft.]	
Outside Turning Radius	5,5 m [18 ft.]	
Drive Speed (boom stowed and lowered)	<b>HIGH</b> 6,8 km/h [4.25 mph] <b>LOW</b> 2,6 km/h [1.6 mph]	
Drive Speed (Elevated)	0,96 km/h [0.6 mph]	
Maximum Gradeability	22° [40%]	
Dimensions (boom stowed)		
Platform Size, Standard 1,8 m [6 ft.]	1 m x 1,8 m [39 in. x 72 in.]	
Platform Size, Optional 2,4 m [8 ft.]	1 m x 2,4 m [39 in. x 96 in.]	
Guardrails	1,4 m [45 in.]	
Toeboard	152 mm [6 in.]	
Platform Capacity (Maximum)	227 kg [500 lbs.]	
Occupants (Maximum)	2	
Weight	10,614 kg [23,400 lbs.]	
Overall Height	2,5 m [8 ft. 2 in.]	
Overall Length	8,2 m or 7,2 m Minimum [27 ft. or 23 ft. 6 in. Minimum]	
Overall Width	2,3 m [7 ft. 7.5 in.]	
Wheel Base	2,3 m [8 ft. 6 in.]	
Ground Clearance	<b>CENTER</b> 0,46 m [18 in.] <b>AXLE</b> 0,32 m [12.5 in.]	
Power Source		
Dual Fuel	GM 3.0 L – 83 HP	
Diesel	Perkins 704-30 – 63 HP	
System Voltage	12 VDC	
Maximum Hydraulic Pressure	345 bar [5000 PSI]	
Controls	Electric Proportional	
Tires		
Size	19 x 15 NHS - 14 PLY	
Pressure	5,5 bar [80 PSI]	

# **UpRight**

Call Toll Free in U.S.A.  
1-800-926-LIFT



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FAX: (1) 559-673-6184

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