

# LOAD KING



## OPERATOR'S MANUAL OUTBACK OUTBACK 35-61B/35-64B



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

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information go to [www.P65warnings.ca.gov/diesel](http://www.P65warnings.ca.gov/diesel).

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## 35-61B/64B

Introduction

About Custom Truck One Source



## Introduction

**Load King** has been producing first-class heavy equipment since 1956. Cutting-edge innovation and engineering excellence make us the market leader. **Load King** is a key part of the Custom Truck One Source family of brands, offering standard and custom trailers, vocational equipment, and a full line of boom trucks and Truck Cranes. For more information, please visit **Load King's** website: [www.loadkingmfg.com](http://www.loadkingmfg.com)

## About Custom Truck One Source

Custom Truck One Source is the first true single-source provider of specialized truck and heavy equipment solutions. With sales, rentals, aftermarket parts and services, equipment customization, re-manufacturing, financing solutions, and asset disposal, our team of experts, vast equipment breadth and integrated network of locations across North America offer superior service and unmatched efficiency for our customers.

## 35-61B/64B

Introduction

Construction and Industrial Equipment Product Safety

### Construction and Industrial Equipment Product Safety

It is the responsibility of the owner of the equipment to be knowledgeable about federal, state and local regulations that effect the total usage of the equipment, and responsibility to working personnel and the public. Since regulations are subject to change, and differ from one locality to another, this manual makes no attempt to provide such information.

**Load King** provides appropriate operation and maintenance manuals for various construction and industrial equipment products that it manufactures and sells. Appropriate national consensus standards, industry standards, and safety-related manuals are included with the shipment of each **Load King** product as applicable. It is company policy to provide this information for the owner or Operator of the equipment. It is expected that the owner or Operator will utilize these manuals and standards to provide the appropriate information and training to those people who are to operate, maintain, and supervise the use of equipment.

Construction and industrial equipment is designed and manufactured to perform heavy-duty work. Under normal usage, the equipment will wear. For this reason it is essential that the owner/Operator establish and perform a periodic inspection of the equipment. The objective of inspection programs is to prevent accidents, reduce downtime and keep the equipment working efficiently. These inspection programs should be designed to discover worn, cracked, broken or deteriorated parts and loose or missing fasteners before they result in a problem.

Proper training and inspection programs are essential to avoid injuries to persons, damage to property and excessive maintenance costs.

Read and understand the manuals provided with this equipment. Assistance is available from the distributors of your **Load King** product and from the **Load King** manufacturing facility.



When operating a hydraulic crane, the Operator should realize that hydraulic and structural competence, not tipping load, is often the determinant of lifting capacity. The Operator must be guided solely by the appropriate manufacturer's load rating chart when considering load weights. The manufacturers rated loads must never be exceeded.

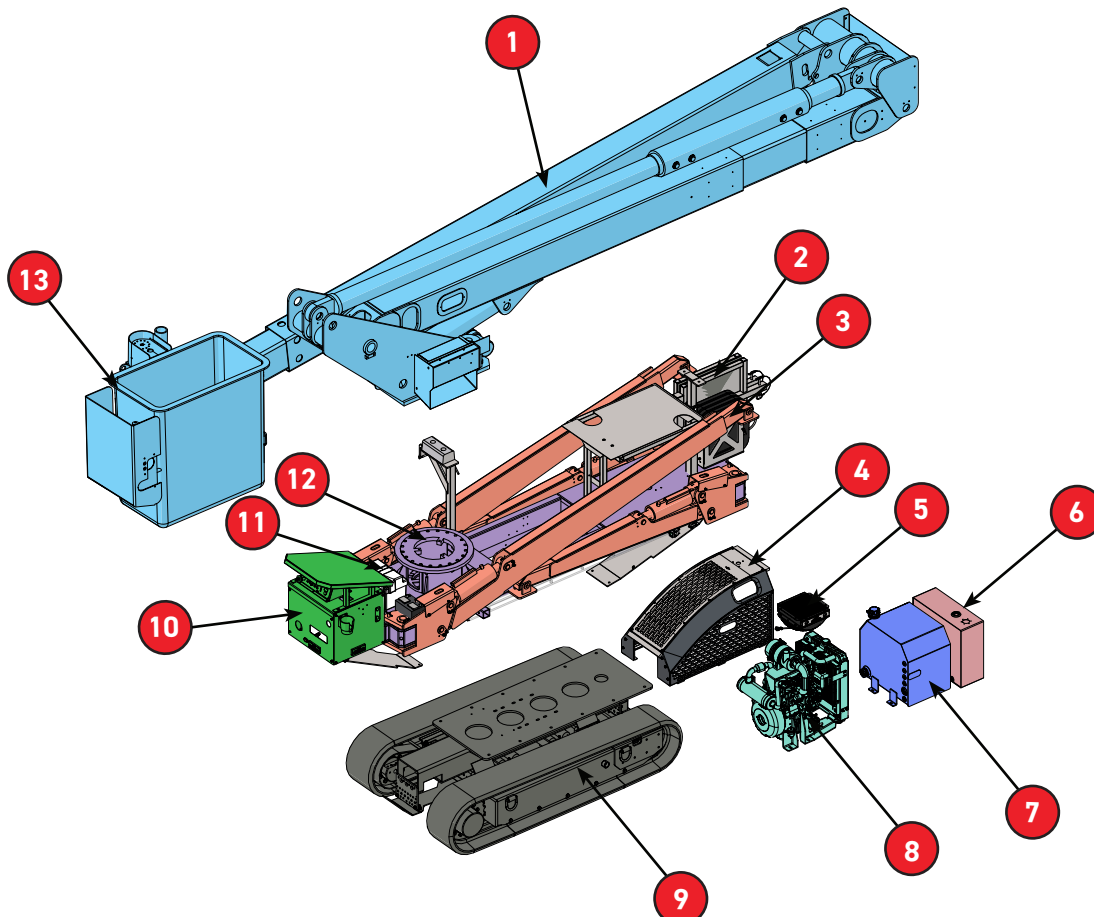
For any additional information regarding the care and operation of the machine, contact the **Load King** service representative. Include the machine model and serial number in all communication to aid service personnel in providing the correct information.

The information, specifications, and illustrations in this publication are based on the information in effect at the time of approval for printing. **Load King** reserves the right to make changes at any time without obligation.

## Nomenclature

The Operator should not attempt to operate the machine before he has gained a thorough understanding of the material presented in the following pages. To aid in understanding the contents of this manual, the following terms will always have the meanings given whenever they are used.

1. Boom Kit
2. Step Frame
3. Outriggers
4. Engine Cover Assembly
5. Oil Cooler with Fittings
6. Fuel Tank
7. Hydraulic Tank
8. Engine
9. Track Undercarriage
10. Valve Frame Assembly
11. Battery Box
12. Slab Weldment
13. Man Basket



## 35-61B/64B

Introduction

Intended Use

### Intended Use

This **Load King** Outback 35-61B/64B crane is designed to lift, lower, move, and position freely-suspended loads within its rated capacity while on firm, level ground. The crane is designed exclusively for assembly type, non-duty cycle operations. Use of this product in any other way is prohibited and contrary to its intended use. Other crane applications outside of the intended use statement above must be approved in writing by **Load King**.

This manual is intended for authorized personnel and users who have experience with **Load King** equipment. It is the Operator's responsibility to read and understand this manual before operating the **Load King** Outback 35-61B/64B.

### Bulletin Distribution and Compliance

Safety of product users is of paramount importance to **Load King**. Various service bulletins are used by **Load King** to communicate important safety and product information to dealers and machine owners. The information contained in these service bulletins is tied to specific machines using the machine's model number and PIN/serial number. Distribution of service bulletins is based on the most current owner on record, along with the associated dealer. It is important to register the machine and keep contact information up to date. To ensure the safety of personnel and the reliable continued operation of the machine, it is essential to implement the actions indicated in all relevant service bulletins.

### Contacting the Manufacturer

When it is necessary to contact the manufacturer, please be prepared to supply the model name, product identification number (PIN), and serial number of the machine, along with your name and contact information. At minimum, the manufacturer should be contacted for:

- Accident reporting
- Questions regarding product applications and safety
- Standards and regulations compliance information
- Questions regarding product modifications

#### Manufacturer contact information:

Custom Truck One Source

7701 Independence Ave.

Kansas City, MO 64125

Parts: (816) 241- 8387

Service: (833) 281-7911

info@customtruck.com

<https://store.loadkingmfg.com>

## Limited Product Warranty

Load King LLC provides a ONE (1) year limited warranty on the entire machine.

Load King LLC provides a TWO (2) year limited warranty on Load King manufactured components. (Parts built and manufactured by Load King only)

Products designed and manufactured by Load King, Incorporated, are warranted to be free from defects in material and workmanship at the time of initial delivery subject to the following provisions:

For one (1) year following initial delivery of the product, Load King will, at its option, repair or replace any part found by Load King to be defective in material or workmanship. The customer is obligated to contact Load King, Inc. prior to any work being performed on equipment. A completed Load King Warranty Claim Form is required within thirty (30) days of the date of failure of any warranted part. Load King will inspect defective parts for approval prior to issuing credit to the customer. Defective parts shall be shipped to the factory pre-paid motor freight or UPS within 30 days of failure of any warranted part if factory requests return of said parts.

The Load King limited warranty does not cover: (a) products which have not been operated and maintained in accordance with Load King operators and maintenance schedules, programs, or bulletins; (b) products which have not been mounted in accordance with Load King installation procedures; (c) products not manufactured by Load King which are supplied by Load King (d) products which are repaired without using original Load King parts; or (e) transportation or delivery to a Load King service facility or the customer's location.

The battery, generator, hydraulic components, electrical components, drive motors, and or other parts/ equipment, but not limited to, not manufactured by Load King is subject to warranty guidelines set forth by the respective manufacturers and their allowed warranty period. Such warranties shall be handled direct through the respective manufacturer or one of its distributors.

This warranty is in lieu of any other warranties, express or implied. There is no warranty of merchantability or fitness for a particular purpose, nor is there any other warranty, express or implied, except as specifically stated herein. No associate, agent or representative of Load King is authorized to extend any warranty on Load King's behalf. Load King shall in no event be liable for any special, indirect, or consequential damages or claims of any third party against the Customer.

**WARRANTY CLAIMS WILL NOT BE PROCESSED UNLESS THERE HAS BEEN PRIOR APPROVAL FROM THE FACTORY FOR THE REPAIR WORK THAT IS TO BE PERFORMED. (THIS EXCLUDES TRAVEL TIME AND OR MILEAGE WHICH IS NOT ALLOWED OR COVERED UNDER THE Load King LIMITED WARRANTY.) NO EXCEPTIONS WILL BE MADE.**

# 35-61B/64B

Introduction

Load King Warranty Data Record

## Load King Warranty Data Record

Warranty Form Submission		Date	
Date of Delivery			
Model Number			
S/N			
Dealer			
Address			
Customer			
Address			

Record this information at the time that warranty registration form is completed and returned to **Load King**.

## 35-61B/64B

Specifications

Features



## Specifications

The Outback 35-61/64B is a compact, rubber-tracked bucket designed for backyard work, offering a working height of up to 61-64 feet and a bucket capacity of 300 lbs. Built to navigate tight spaces and rough terrain, this compact bucket reaches jobsites that standard utility trucks can't access. The Outback is equipped to handle tough conditions and help get the job done efficiently.



## Features

Weight: 14,500 Lbs. (61') / 14,850 Lbs. (64')

Length with Boom: 24'5" (61') / 24'5" (64')

Chassis Length: 13'5"

Stowed Height: 7'7"

Working Height: 61' 64' with Elevator Option

Base: High Strength Steel Construction

Drive: Two Speed Planetary Reduction

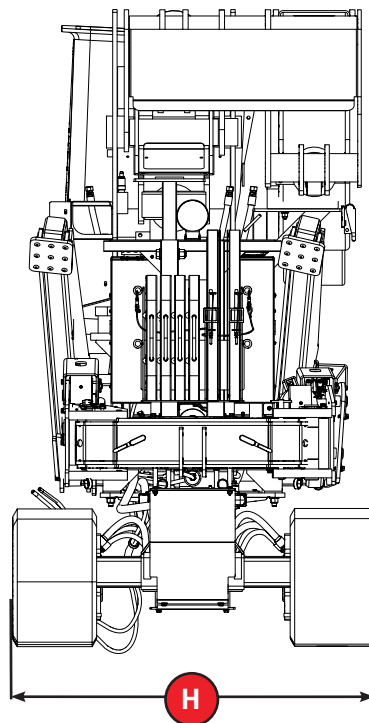
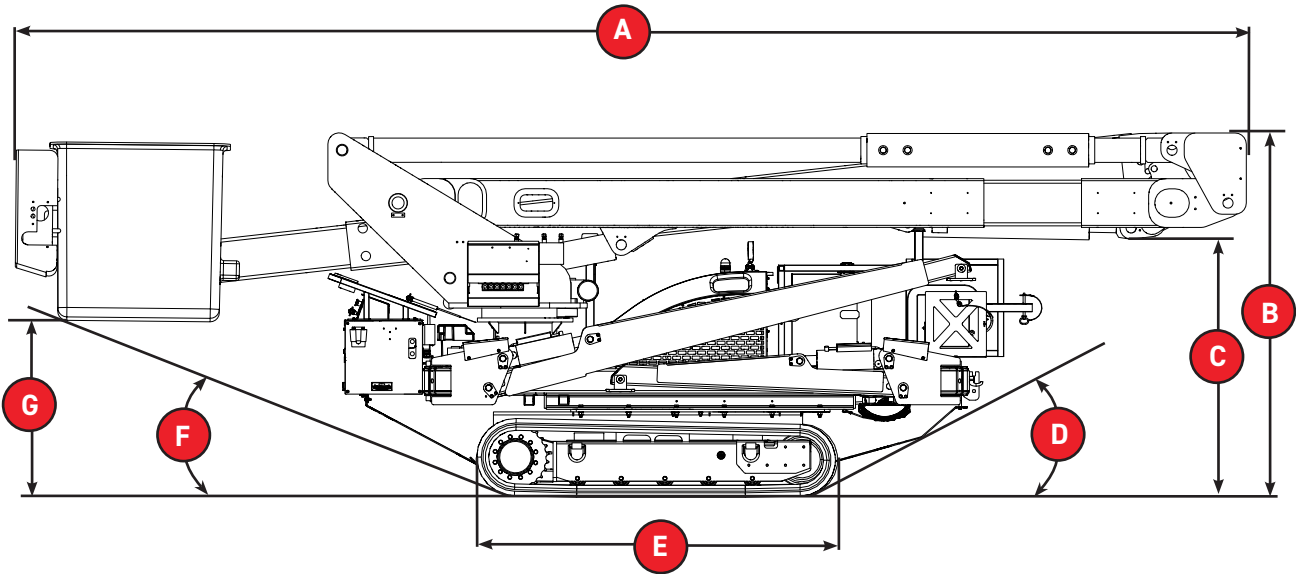
Tracks: 90" Rubber

# 35-61B/64B

Specifications

Machine Height and Length Overview

## Machine Height and Length Overview



# 35-61B/64B

Specifications

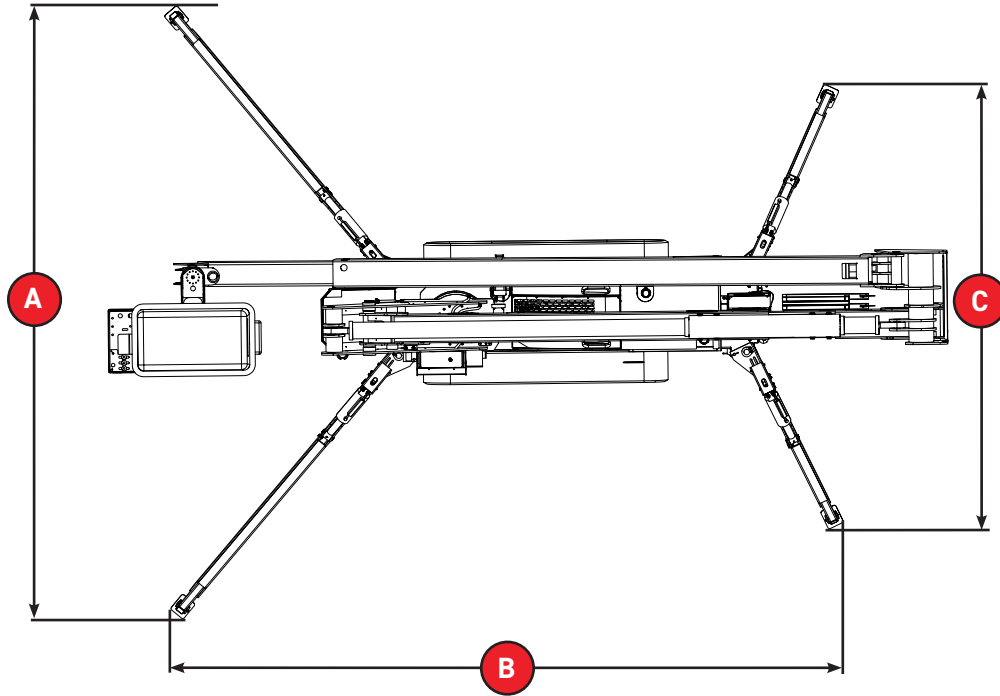
Machine Height and Length Overview



Reference Letter	Dimensions
A	24'-5"
B	7'-7"
C	5'-2"
D	26°
E	7'-3" (Chassis Length)
F	25°
G	3'-9"
H	2'-11.5" (Closed)
	4'2" (open)

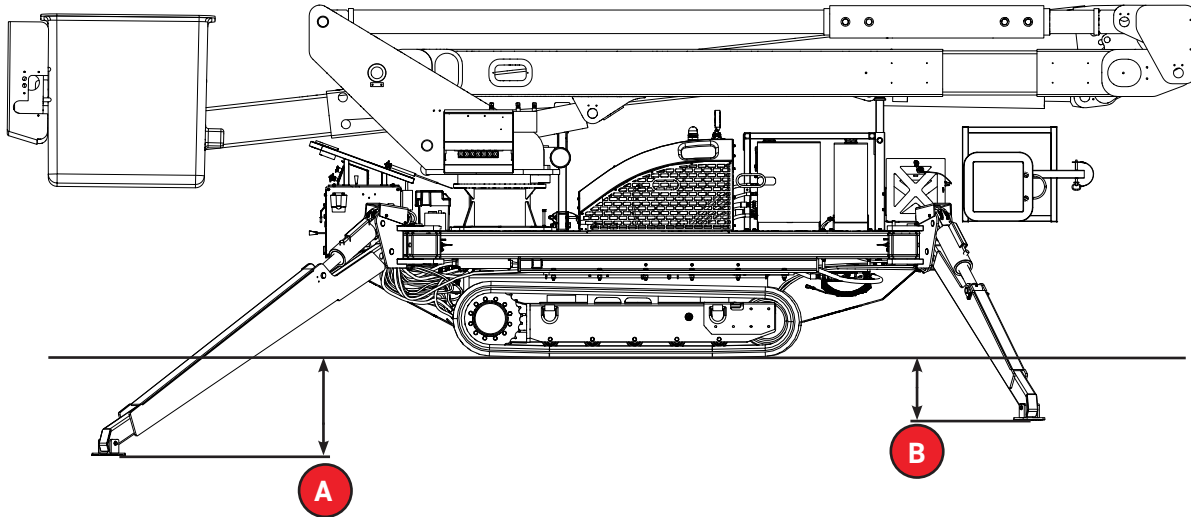
**35-61B/64B**  
Specifications  
Outrigger Spread

**Outrigger Spread**



Reference Letter	Dimensions
A	18'-5"
B	20'
C	14'

**Ground Penetration**

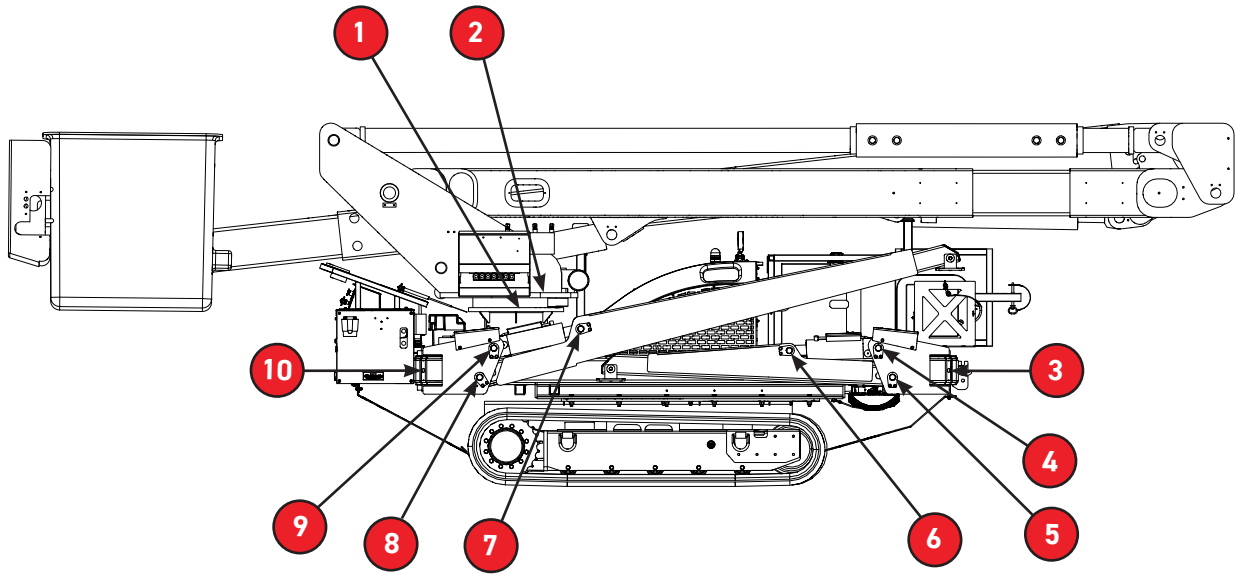


Reference Letter	Dimensions
A	30'
B	19'

# 35-61B/64B

Specifications  
Grease Fitting Location

## Grease Fitting Location



Grease Fitting	
Sr. No	Description
1	Rotation Gear
2	Rotation Gear Motor
3	Front,Outrigger Knuckle Main Pivot Pin. (Both Sides Of Machine)
4	Rear, Outrigger Cylinder To Knuckle Pin. (Both Sides Of Machine)
5	Rear, Outrigger Leg To Knuckle Pin. (Both Sides Of Machine)
6	Front, Outrigger Cylinder To Outrigger Leg Pin. (Both Sides Of Machine)
7	Rear, Outrigger Cylinder To Outrigger Leg Pin. (Both Sides Of Machine)
8	Rear, Outrigger Leg To Knuckle Pin. (Both Sides Of Machine)
9	Rear, Outrigger Clinder To Knuckle Pin. (Both Sides Of Machine)
10	Rear, Outrigger Knuckle Main Pivot Pin (Both Sides Of Machine)

## Safety

### Owners, Users, and Operators

**Load King** appreciates your choice of our machine for your application. Our number one priority is user safety, which is best achieved by our joint efforts. We feel that you make a major contribution to safety if you, as the equipment users and Operator's:

- Comply with OSHA, federal, state, and local regulations.
- Read, understand, and follow the instructions in this and other manuals supplied with this machine.
- Follow safe work practices.
- Only have trained and competent Operator's, directed by informed and knowledgeable supervision, running the machine.



OSHA prohibits the alteration or modification of this crane without written manufacturer's approval. Use only factory-approved parts to service or repair this unit.

If there is anything in this manual that is not clear or you believe should be added, please send your comments to **Load King** Cranes, 7701 Independence Ave, Kansas City, MO 64125; or contact us by telephone at Parts: (816) 241- 8387 Service: (833) 281-7911.  
Email: [info@loadkingmfg.com](mailto:info@loadkingmfg.com)

Many aspects of crane operation and testing are discussed in standards published by the American National Standards Institute. These standards are updated on an annual basis with addenda, that are sent by ASME to the original purchasers of the standard. **Load King** recommends owners purchase and refer to the following standards.

ANSI/ASME B30.5 - Mobile and Locomotive Crane (latest version)

These standards can be purchased from:

American Society of Mechanical Engineers  
Two Park Avenue  
New York, NY 10016-5990  
800-843-2763 (U.S./Canada)  
001-800-843-2763 (Mexico)  
973-882-1170 (outside North America)

Email:  
[CustomerCare@asme.org](mailto:CustomerCare@asme.org)  
[www.asme.org](http://www.asme.org)






## 35-61B/64B

Safety

Safety Definitions Used in This Manual

### Safety Definitions Used in This Manual

The following table describes text and symbols used to highlight important information.

Signal Word	Symbol	Explanation
<b>DANGER</b>		Danger indicates a hazardous situation which, if not avoided, will result in death or serious injury.
<b>WARNING</b>		Warning indicates a hazardous situation which, if not avoided, could result in death or serious injury.
<b>CAUTION</b>		Caution indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
<b>READ</b>		Read is used to alert readers of information to be read on machinery.
<b>NOTE</b>		Note is used for a tip or suggestion to help readers carry out a procedure successfully.

## Safety Guidelines



These safety rules must be followed. All personnel are required to read and understand the Operator's Manual as there are instructions which are detailed specific to this machine.

## Personal Protection Equipment

Before beginning operation, service, or maintenance, conduct a hazard assessment to determine appropriate personal protective equipment for the working conditions and the operating environment. For more information refer to the applicable OSHA 1910.132 standards, ANSI standards, federal, state, local, and job site regulations.

### Common Types of PPE



**Safety Glasses** – Impact resistant lenses offering limited protection for the user's eyes from flying debris.



**Ear Plugs** – A device that is inserted into the ear canal to protect the user's hearing from loud noises or the intrusion of foreign bodies and dust.



**Hard Hat** – A helmet used to protect the user's head from injuries obtained from falling objects and debris.



**Leather Gloves** – Gloves used to protect the user's hands from minor cuts and other injuries.



**Safety Boots** – Boots designed to protect the user's feet from various types of injury such as cuts, puncture wounds, or crushed toes.

## 35-61B/64B

### Safety

#### General Safety/Operation Guidelines

### General Safety/Operation Guidelines

The following instructions are to be followed for proper operation of the **Load King** Outback 35-61B/64B.

**Load King** recommends any Operator's to be trained prior to operating the machine. Training can be arranged through your distributor or directly through **Load King**. Training can be arranged through your distributor or directly through **Load King**.

- **Load King** has no direct control over machine application, operation, inspection, lubrication or maintenance. The use of the **Load King** Outback 35-61B/64B is subject to certain potential dangers that cannot be protected. Therefore, it is the Operator's responsibility to use good safety practices in these areas.
- Modifications to this **Load King** Outback 35-61B/64B from the original design specifications without written consent from **Load King** are strictly forbidden. Any modifications will void the **Load King** factory warranty.




Modifications may compromise the safety of the **Load King** Outback 35-61B/64B, which could lead to serious injury or death.

- Do not exceed the rated load capacity of the **Load King** Outback 35-61B/64B. Know the weight of the object that is to be handled. Stay within work zones shown on the load charts.
- Do not operate the **Load King** Outback 35-61B/64B if any interlock or safety device is malfunctioning or has been tampered with.
- Do not operate the **Load King** Outback 35-61B/64B if it is not functioning properly, making unusual noises or if there are any fluid leaks.
- Perform all daily and scheduled maintenance.
- Do not put a side load onto the machine. Maneuver boom assembly over object that is to be lifted.
- When transporting the Outback 35-61B/64B, use designated tie down points on the machine to secure it to the trailer. Use the straps and winches provided with the machine..
- Always store attachments in correct location. When possible, secure attachments to machine's trailer during transportation.
- Inspect winch line daily. Do not tie winch lines together.
- Do not operate the boom assembly on trailer.
- Boom stows are to be lowered/pivoted out of the way before boom operation.
- Use the provided pins for all pinning locations. Bolts with threads contacting any fiberglass or other pinned surface may damage the component. This damage is not be covered under warranty.
- Do not walk beneath hoisted loads.

## Safety Precautions

The following table describes text and symbols used to highlight important information:

	Do not operate, service, inspect or otherwise handle this machine, unless you have read the Owner's Manual. Owner's Manual is supplied with your track-mounted machine.
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**IMPORTANT:** If there is anything in this manual that is not clear or you believe should be added, please send your comments to Load King Cranes, 7701 Independence Ave, Kansas City, MO 64125; or contact us by telephone at Parts: (816) 241- 8387 Service: (833) 281-7911.

Email: [info@loadkingmfg.com](mailto:info@loadkingmfg.com).

EVERY TRACK UNIT HAS INHERENT DANGERS ASSOCIATED WITH IT.


### For Your Safety:

- Keep all guards and shields in place. Moving parts can crush and dismember.
- Check that all connections and bolts are tight before operating.
- Check all hoses and fittings before start-up and periodically during operation.
- Clear the area before equipment start up.
- Do not allow bystanders near the operating unit.
- Keep hands, feet, and loose clothing away from operating track unit. Exposed, moving parts can crush or dismember.
- Use caution when traveling over uneven terrain and when approaching stops.

THERE ARE ADDITIONAL HAZARDS ASSOCIATED WITH THE SERVICE AND MAINTENANCE OF A TRACK UNIT.

### For Your Safety:

- Always wear eye protection when operating or servicing the unit.
- Do not depend on hydraulic pressure applied to blades or backhoe to elevate machine for track unit service. Always service track units and undercarriage from outside or from above the unit rather than from underneath.
- Escaping hydraulic fluid under pressure can penetrate the skin and cause serious injury. Relieve all pressure from the hydraulic system before connecting or disconnecting the lines or making repairs.
- Never make any alterations or modifications to this equipment.

	NEVER ATTEMPT TO CLEAN, OIL, OR ADJUST A MACHINE THAT IS IN MOTION.
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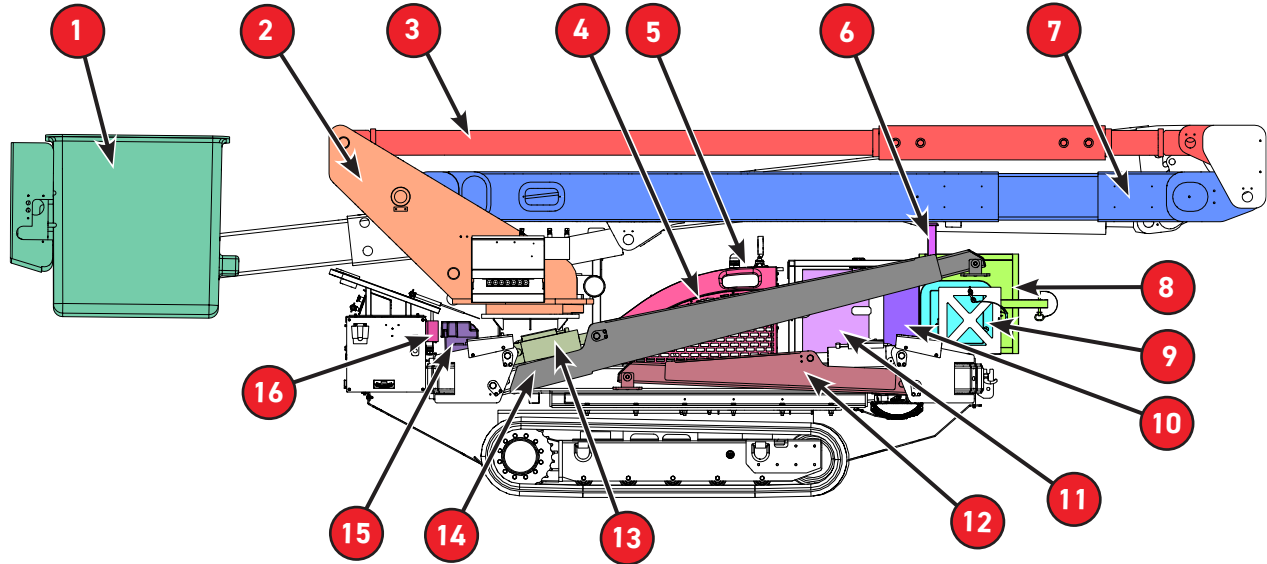
# 35-61B/64B

Description of Machine and Controls  
Machine Component Identification



## Description of Machine and Controls

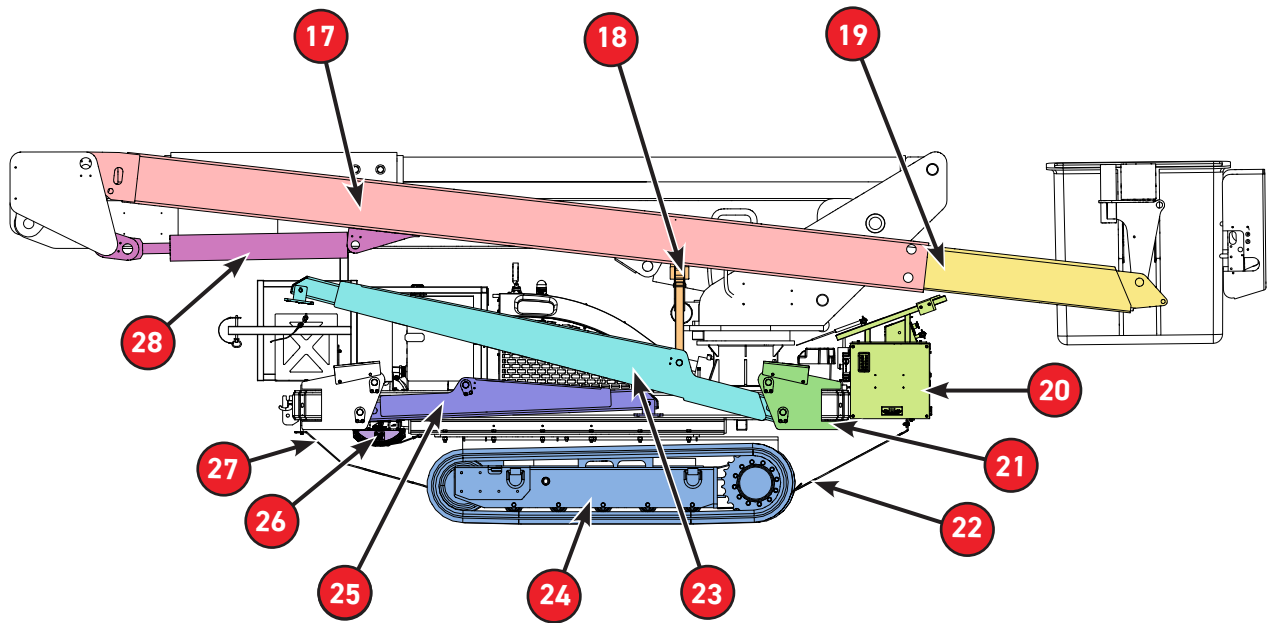
### Machine Component Identification



1	Man Basket	9	Outrigger/Operator Platform Storage
2	Turret	10	Fuel Tank
3	Low Boom Stabilizer	11	Hydraulic Tank
4	Engine	12	Outrigger Leg (Right, Front)
5	Engine Cover	13	Outrigger Cylinder
6	Lower Boom Stow	14	Outrigger Leg (Right, Rear)
7	Lower Boom	15	Battery
8	Operator Platforms	16	Outrigger Interlock Control Box

# 35-61B/64B

## Description of Machine and Controls Machine Component Identification



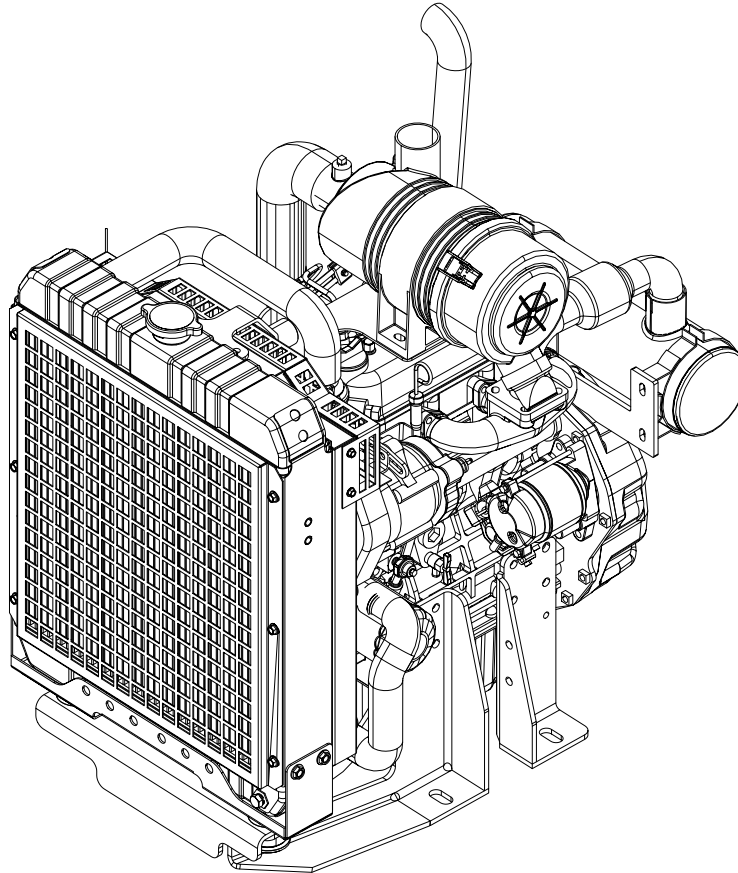
17	Upper Boom	23	Outrigger Leg (Left, Rear)
18	Upper Boom Stow	24	Track Undercarriage
19	Fiberglass Boom	25	Outrigger Leg (Left, Front)
20	Valve Frame	26	Hydraulic Oil Cooler
21	Outrigger Knuckle	27	Front Skid Plate
22	Rear Skid Plate	28	Upper Boom Lift Cylinder

# 35-61B/64B

Description of Machine and Controls  
Outback 35-61B/64B Engine Information



## Outback 35-61B/64B Engine Information



Engine Type	Kubota D1105 Diesel
Engine Oil	
Quantity	1.3 U.S. Gals
Type	10W-30
Interval	50 Hours
Oil Filter	LK-ENG-305
Air Filter	
Air Filter (Outer)	LK-ENG-310
Rain Cap	LK-ENG-313
Interval	100 Hours
Fuel Filter	
Fuel Filter	LK-ENG-303
Interval	100 Hours

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# 35-61B/64B

Operating Instructions  
Starting Instructions

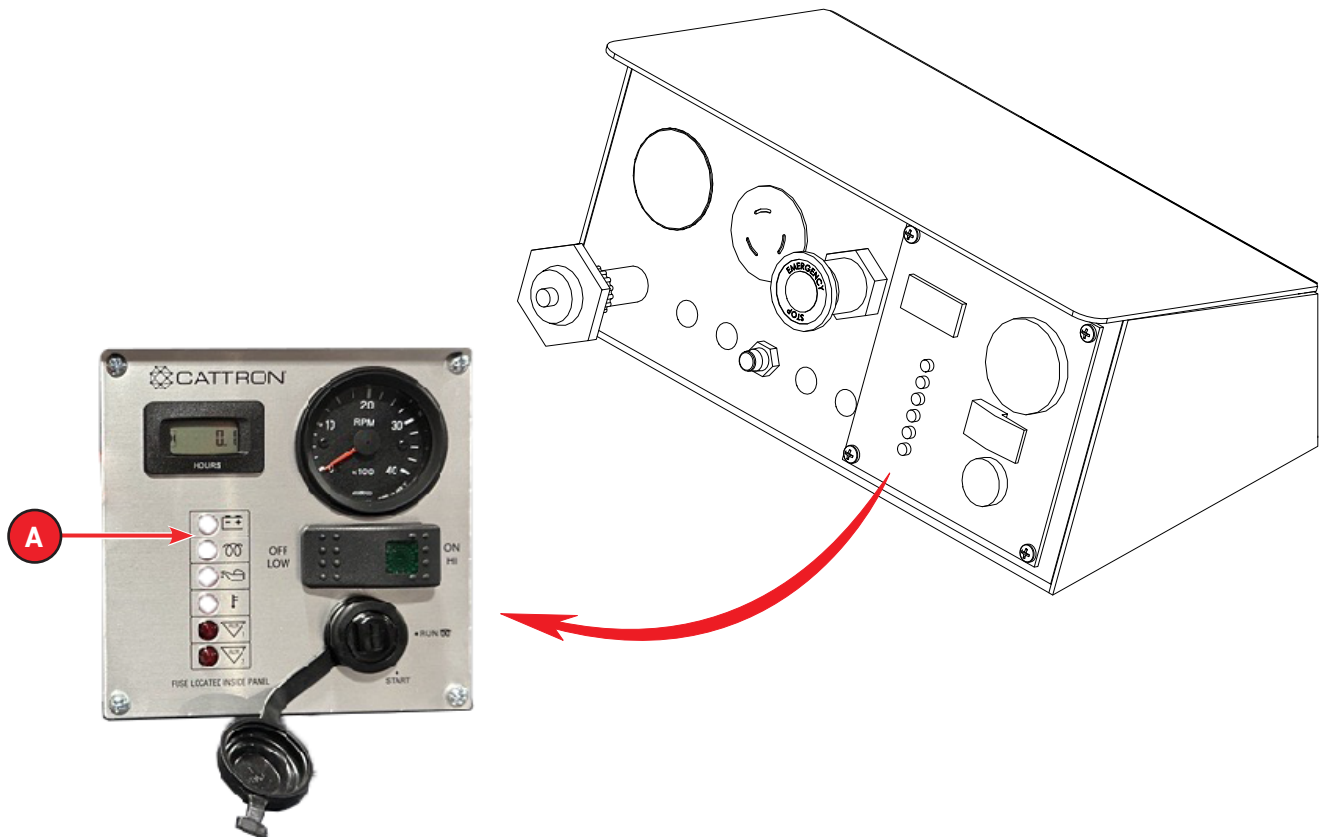


## Operating Instructions

### Starting Instructions

Before starting the **Load King** Outback 35-61B/64B, it is necessary to perform all the periodic inspections and lubrications according to the maintenance manual. Perform the following steps to start the machine properly.

1. Preheat engine if working in colder temperatures or if the machine has not been started for the day.
  - To preheat engine, turn ignition key to the "RUN" position and wait for the preheat light (ⓐ YELLOW LIGHT) to go off.
2. Once (ⓐ) preheat light goes off, crank engine by turning the ignition key to the **START** position.
3. Let engine run 3-5 minutes before operation.



A	Preheat Light
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## 35-61B/64B

### Operating Instructions Undercarriage Track Extension/Retraction

## Undercarriage Track Extension/Retraction

The undercarriage of the **Load King** Outback 35-61B/64B has the ability to hydraulically extend and retract. This ability will either make the track undercarriage wider or narrower as necessary.



Undercarriage tracks should **ALWAYS** stay in the most extended configuration unless traveling through a narrow gate.



**ALWAYS** have the tracks extended when loading and unloading the machine from its trailer.



Do not travel with machine's tracks retracted when there is sufficient room to have them extended.

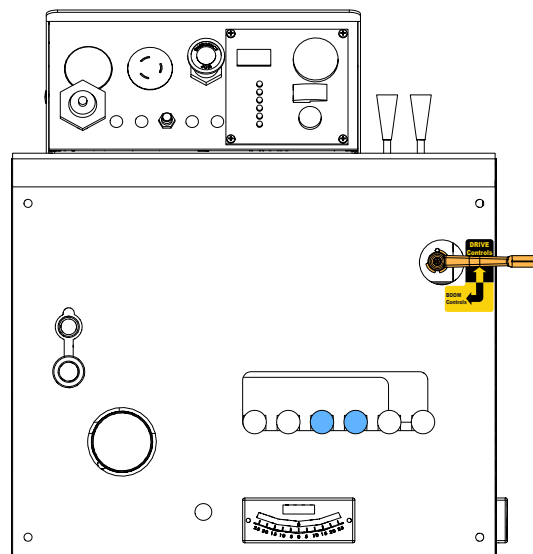
There are two proximity sensors on the track undercarriage that monitor the tracks orientation.



An alarm will sound when the tracks are not in the most extended position.

Perform the following steps to extend or retract the track undercarriage.

1. Ensure that the **Load King** Outback 35-61B/64B is on a level, safe work area.
2. Start the **Load King** Outback 35-61B/64B and let the machine idle for a few minutes.
3. Place machine into "DRIVE Controls" mode. This is done by exercising the "BOOM/DRIVE Controls" selector valve to the "DRIVE Controls" label. This selector valve is located on the rear of the valve frame assembly, on the right-hand side. [See diagram](#) for reference.

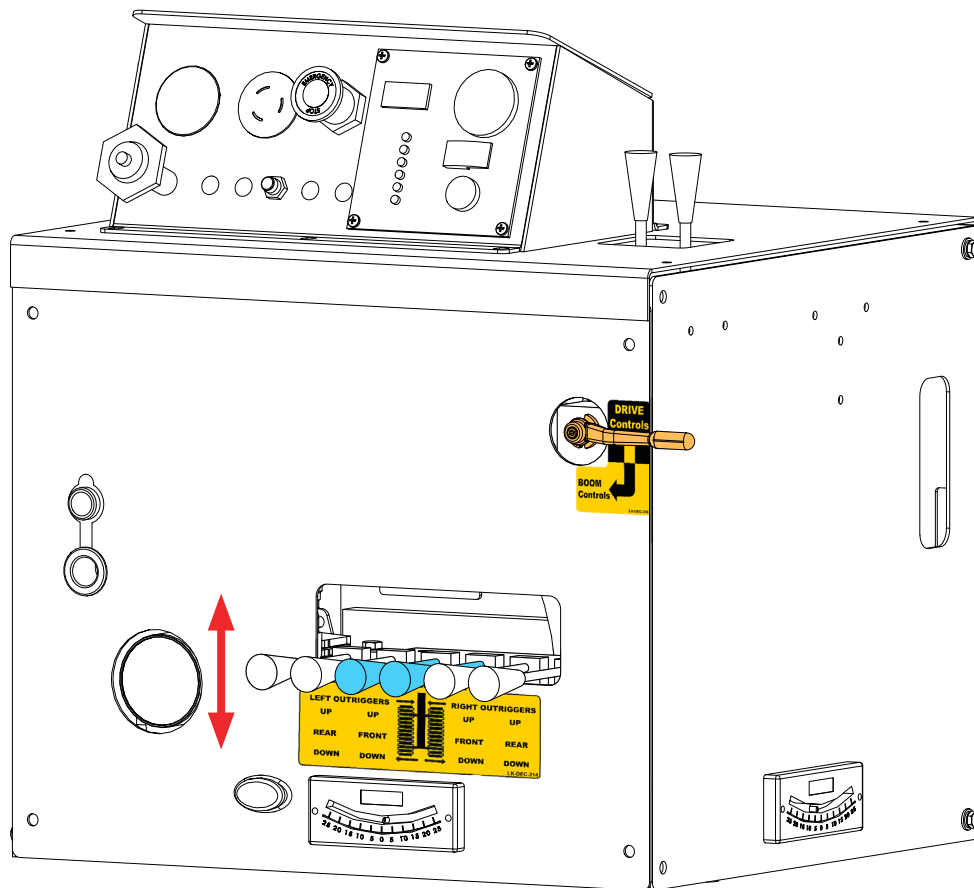


## 35-61B/64B

### Operating Instructions Undercarriage Track Extension/Retraction



4. Once the **Load King** Outback 35-61B/64B is started, in "DRIVE Controls" mode, are able to extend or retract the undercarriage. To extend the undercarriage, move the undercarriage's hydraulic valve handle in the down direction. To retract the undercarriage, move the undercarriage's hydraulic valve handle in the up direction. The undercarriage's hydraulic valve controls are located at the rear of the valve frame assembly, in the middle. These controls are located on the "Outrigger/Track Extension Valve." Undercarriage valve controls are NOT located with the boom controls. The two handles that control the undercarriage are the two middle handles out of the six handles available. The left-middle handle controls the left side of the undercarriage. The right-middle handle controls the right side of the undercarriage. The terrain that the machine is riding on will determine how easily the tracks will move. Certain terrains make it more difficult to extend/retract the undercarriage. If machine is not able to retract/extend the undercarriage, deploy the outriggers and raise the machine off the ground. Then extend/retract the undercarriage.



## 35-61B/64B

### Operating Instructions

### Machine Travel, Turning and Throttle Control

## Machine Travel, Turning and Throttle Control

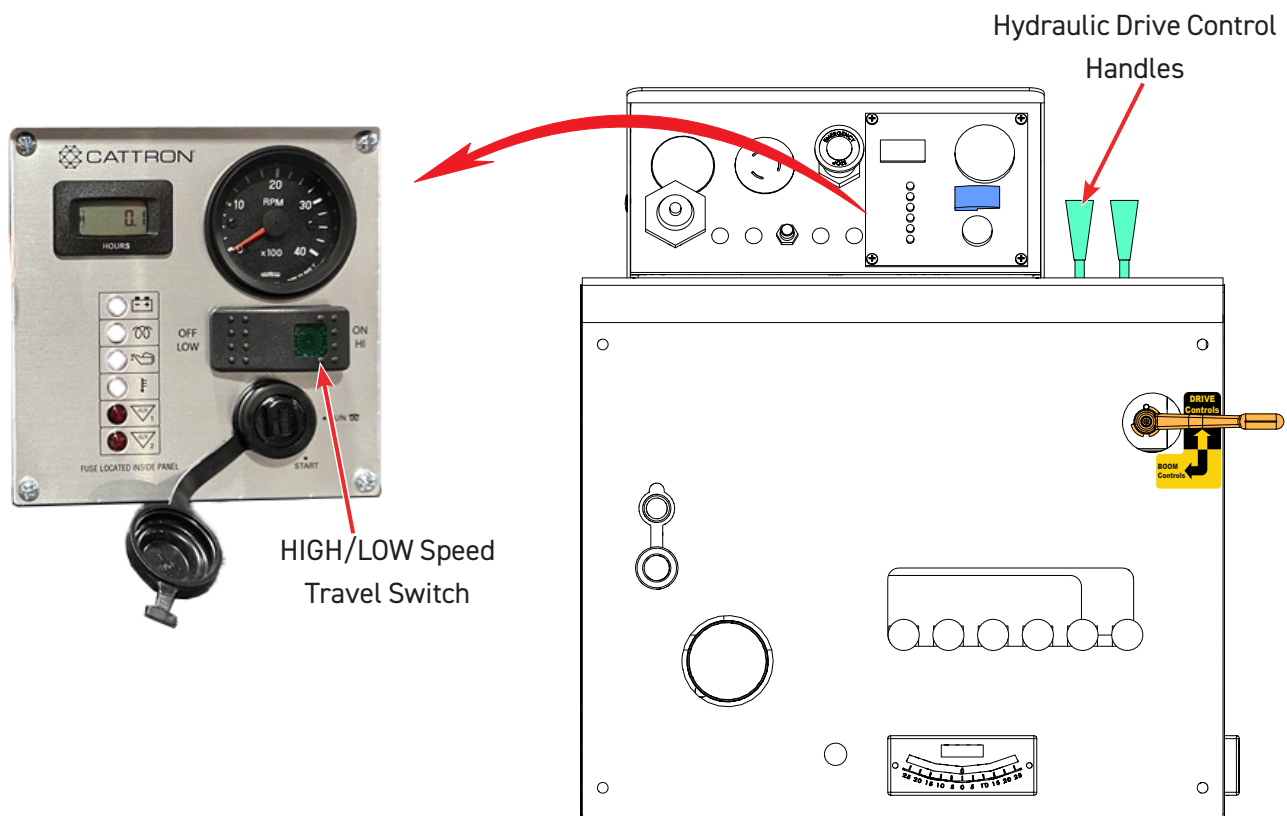
### High/Low Speed Travel

The **Load King** Outback 35-61B/64B has the ability to travel on various terrain types via its hydraulically driven undercarriage. The track undercarriage provides a “**HIGH**” and “**LOW**” speed. The “**LOW**” speed should be used when unloading/loading the machine onto a trailer, turning or navigating over uneven terrain. The “**HIGH**” speed should be used when there is ample amount of room for the machine and the terrain is level. The Operator is able to switch from “**HIGH**” to “**LOW**” speed via a switch on the control panel. The control panel is located on top of the valve frame assembly at the rear of the machine.

**Load King** recommends 20° max incline for fore and aft travel and a 10° max for side to side travel. Try to stay as perpendicular to the slope as possible. Outriggers may be swung out and lowered when traveling on uneven terrain as a precautionary tactic but not to be used as a fail safe from tipping the machine over.

### Turning

The **Load King** Outback 35-61B/64B has a traditional “**skid steer**” type of steering where the left track is controlled by one hydraulic handle and the right track is controlled by another hydraulic handle.



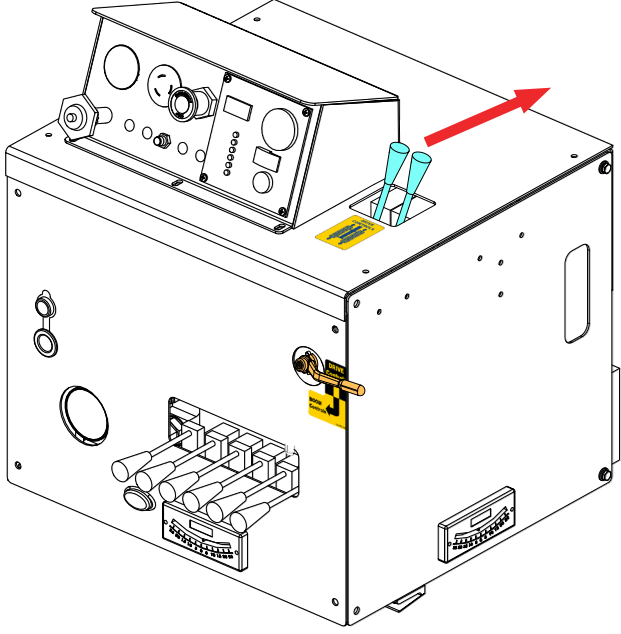
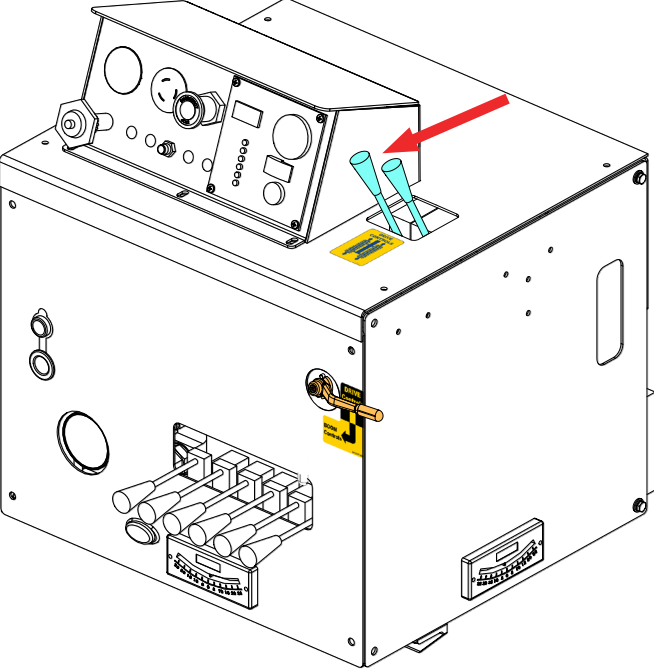
# 35-61B/64B

Operating Instructions  
Machine Travel, Turning and Throttle Control



## Control Lever Specifications

This steering configuration is very similar to standard skid steer or zero-turn lawn mowers. The engine must be running and the "BOOM/DRIVE Controls" selector must be on "DRIVE." See picture for reference to where the hydraulic handles are for the drive controls.

<p><b>To go forward</b></p> <p>Push both hydraulic handles forward simultaneously.</p>	
<p><b>To go in reverse</b></p> <p>Pull both hydraulic handles back simultaneously.</p>	

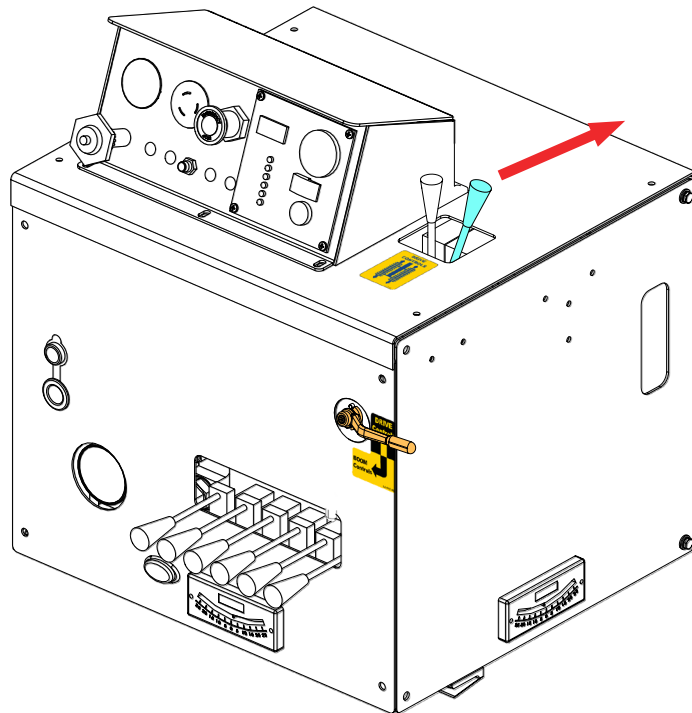
## 35-61B/64B

### Operating Instructions

### Machine Travel, Turning and Throttle Control

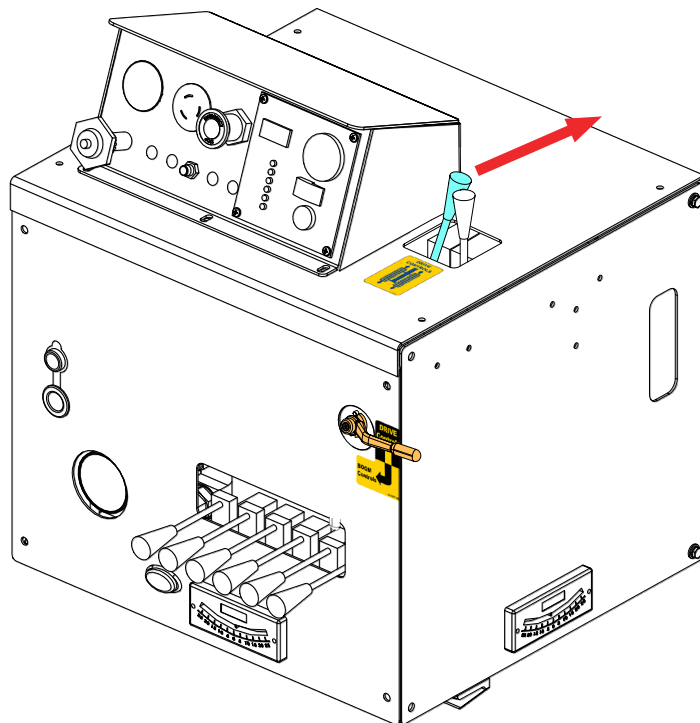
#### To steer the machine left

The right hydraulic handle must be pushed forward.



#### To steer the machine right

The left hydraulic handle must be pushed forward.



## 35-61B/64B

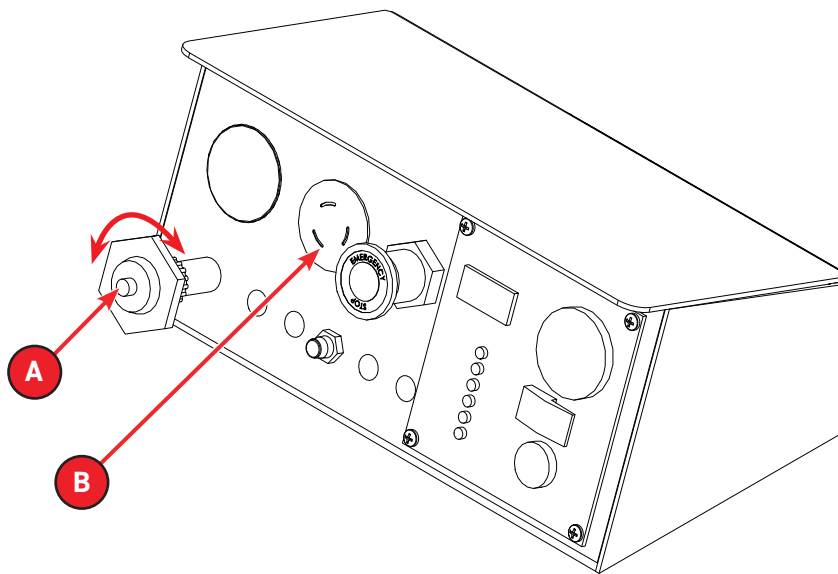
Operating Instructions  
Slope Alarm



### Throttle Control

The **Load King** Outback 35-61B/64B has an adjustable throttle control. This is used to adjust the engine RPMs per customer needs. Some operations/tasks are easier with a lower engine RPM while others are easier with a higher engine RPM. This is all based on the Operator's skill level.

To increase engine RPM, turn the throttle control knob counterclockwise. To decrease engine RPM, turn the control knob clockwise. There is also a push button in the center of the knob that lets the Operator engage the button and push/pull the knob to adjust engine RPM. Max engine RPM is when the knob is all the way out. Machine idle is with the knob all the way in. See picture below for reference where the adjustable throttle control is located.



A	Push Button
B	Warning Light/Beeper

### Slope Alarm

**Load King** warns Operator's to always be alert when operating a **Load King** Outback 35-61B/64B. Know what obstacles are around you at all times. The **Load King** Outback 35-61B/64B is equipped with analog angle indicators as well as a digital slope gauge. This digital slope gauge is located on the Operator panel. The slope gauge measures your fore and aft as well as side-to-side slope. If the **Load King** Outback 35-61B/64B approaches the machine's max slope limit for operation, a warning light will begin to flash on the Operator panel. When the machine reaches the max slope limit, an audible alarm will sound off as well as the warning light. See picture above for reference to where the slope gauge and the warning light are. If the slope alarm is going off, stop what are doing and evaluate what it will take to get the machine into a safe operating condition. Proceed with caution in getting the machine into a safe operating environment.

## 35-61B/64B

### Operating Instructions Deploying Outriggers

## Deploying Outriggers

The **Load King** Outback 35-61B/64B comes with four (4) hydraulically-driven outriggers as standard on every machine. These outriggers are used for machine stability when operating the boom assembly.



Do not operate the boom assembly without the use of the outriggers.



Failure to use outriggers properly can result in serious injury or death.

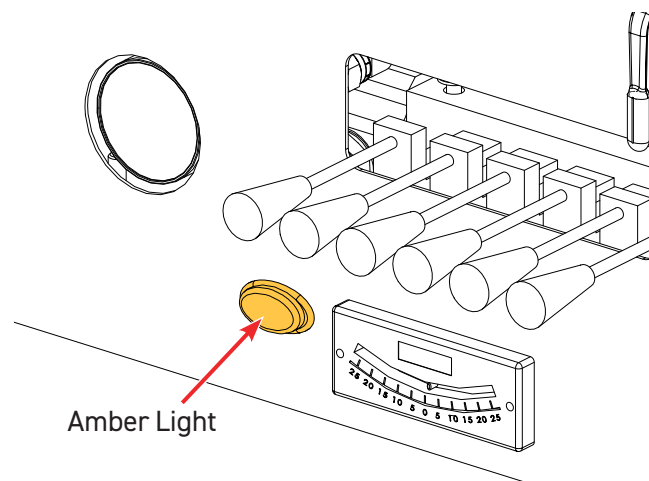
The following instructions are how to deploy the outriggers. The instructions are assuming that the engine is running and the machine is in the working area.

1. Ensure that the work area is clear of any obstructions.
2. Pull out outrigger leg safety pin from outrigger knuckle assembly. Swing open outrigger leg until safety pin hole on the outrigger knuckle assembly lines up with the other pin hole. There are only two (2) safety pin holes available. One hole is used for pinning the outriggers in a stowed position. The other pin hole is used when outriggers are deployed for boom function. [See diagram](#) on following page.
3. Insert outrigger leg safety pin into outrigger knuckle assembly and safety pin hole and ensure the pin is fully seated in place. [See diagram](#) on following page.

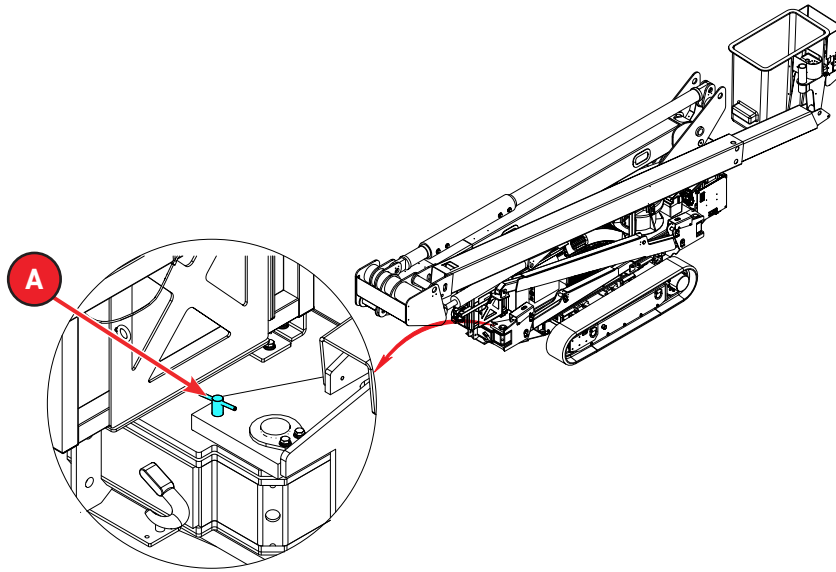


The outrigger safety pin **MUST** be inserted when using the outriggers. Failure to follow these instructions can lead to serious injury or death.

4. Continue to swing out and pin all four (4) outrigger legs.
  - An amber light will light up on the rear of the valve frame assembly signifying that all outriggers have been swung out and pinned in the proper location.

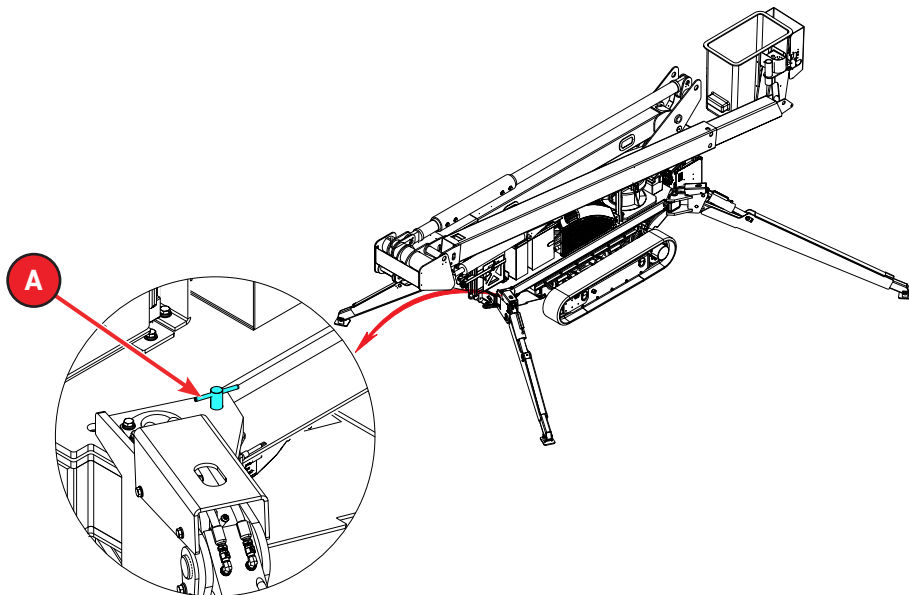


**Outrigger Stowed**



A	Outrigger safety pin in stowed position. Pin should be in this location for travel.
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**Outrigger Deployed**

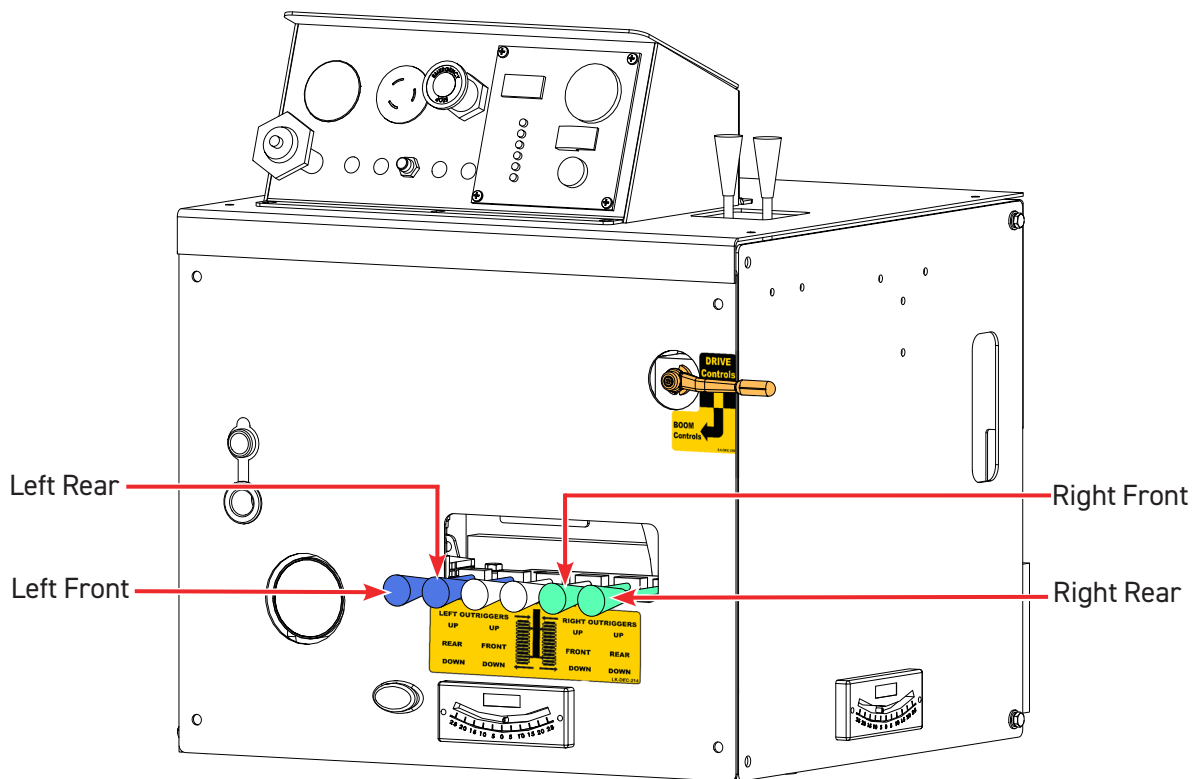


A	Outrigger safety pin in Deployment position. Pin has to be in this location for outrigger deployment.
---	---

## 35-61B/64B

### Operating Instructions Deploying Outriggers

5. Move the hydraulic outrigger function handles to engage the outriggers down the ground.
  - Hydraulic outrigger function handles are located to the left and right of the track extension handles. These handles are on the back side of the valve frame assembly, in the middle. There are six available handles. The first handle (going left to right) will be the left, rear outrigger control. The second handle will be the left, front outrigger control. The fifth handle will be the right, front outrigger control. The sixth handle will be the right, rear outrigger control.
  - If equipped with outrigger pads, place pads in approximate location of outrigger feet then drive outriggers down onto pads.



Always keep other personnel clear of machine when deploying outriggers.

6. Drive outriggers into ground until machine is stable and level.
  - **Load King** recommends that the track undercarriage as low to the ground as possible while still putting the machine in a stable state, to increase stability.
  - Use the digital slope gauge to level out the machine. **Load King** recommends to use the machine on the most level position possible.

# 35-61B/64B

Operating Instructions  
Outrigger Interlock Control Box

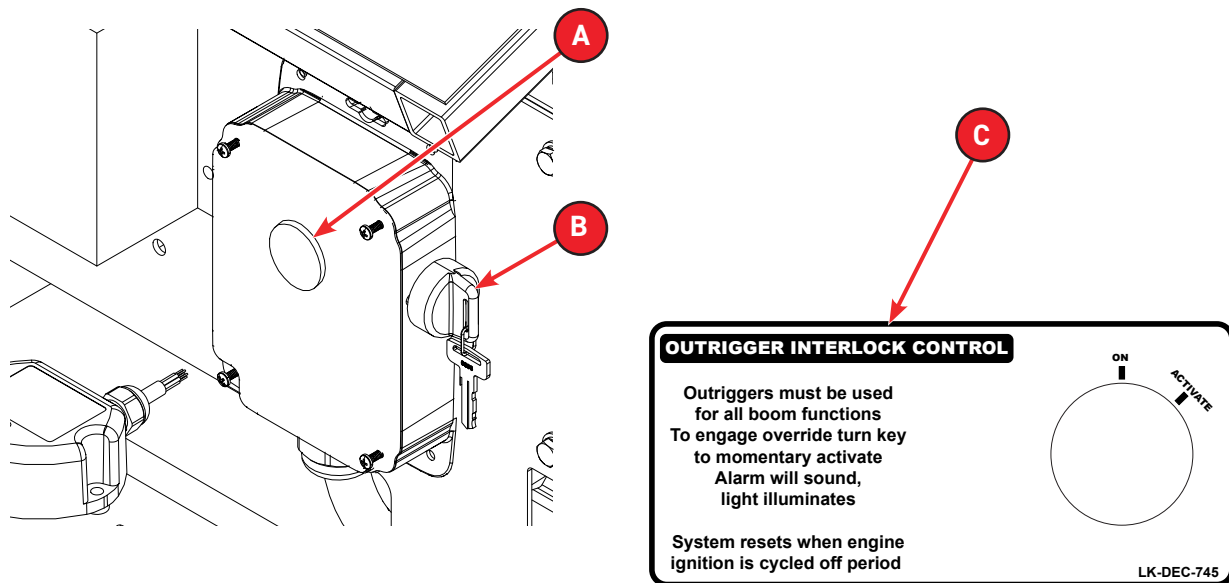


## Outrigger Interlock Control Box

The **Load king** Outback 35-61B/64B is equipped with an outrigger interlock on all machines. This interlock device is used to deter the Operator from operating the boom assembly without the use of outriggers. Outriggers must be deployed for any boom operation. The outrigger interlock control box is a service tool and not to be used in the field. This control box enables a technician the ability to perform service procedures. This control box is only to be used by a professional and under supervision. **EXTREME CAUTION** must be taken anytime you use the control box on the machine as serious injury or death can occur. **Load king** recommends that you contact a **Load king** factory representative before the use of the control box.

The interlock control box has a key switch that activates an override of the interlock system. Once the system is activated, a warning light (RED) will illuminate and flash as well as a warning alarm will sound. These warnings will remain on as long as the system override is active. There are now **NO SAFETY GUARDS** active for operating the machine. The Operator needs to use **EXTREME CAUTION** to him/herself and their surroundings. The system is active as long as the machine's engine is running and automatically disables when the engine of the machine is shutoff. When the interlock control box is disabled, turn the key switch back to its original position (OFF). If the interlock control box is disabled via the engine shutting off and the key switch is left in the activate position, the interlock system **WILL NOT** reactivate. You will have to return the key to the OFF position and then to the **ACTIVATE** position to activate the system.

**Load King** recommends that the use of this control box be highly monitored and only used when absolutely needed. **Load King** does not see a need to use this in the field and thus does not recommend to do so.



A	Warning Light And Alarm
B	Key Switch
C	Decal

## 35-61B/64B

### Operating Instructions Boom Operation/Controls

## Boom Operation/Controls

The **Load King** Outback 35-61B/64B is equipped with a telescopic boom. **Load King** recommends any Operator receives training on how to operate the Outback 35-61B/64B prior to operation.



Improper operation can lead to serious injury or death.

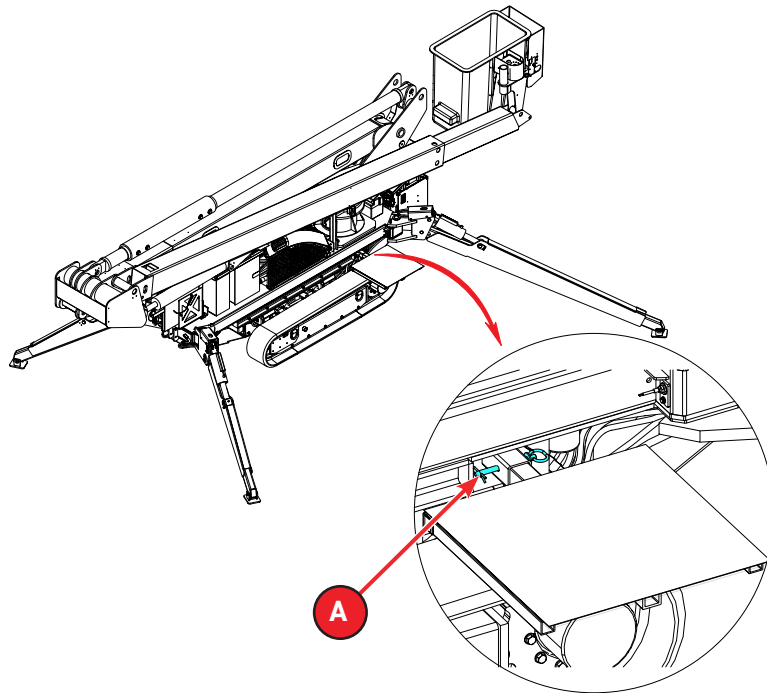
The best defense against accidents is common sense. If are ever in a situation where don't know if it is safe or not, stop and contact a supervisor for further instruction. If ever have a question on the machine's ability, contact either distributor or **Load King** directly. **Load King** cannot stop from using the machine how want to, we can only recommend what to do and not to do. There are various safety devices that limit the machine's ability but in the end the Operator is in full control. **Load King** is not responsible for improperly maintained machinery, Operator error or failure to follow local operation guidelines. **Load King** provides the safest machinery possible, it is on the Operator to continue with safe procedures during operation.

The **Load King** Outback 35-61B/64B comes standard with hydraulic boom controls. These controls are located on the side of the boom assembly. The following instructions are how to get the machine into "BOOM CONTROL" mode. Once in "BOOM CONTROL" mode, are able to exercise the boom function handles. Please reference the boom manufacturer's operation manual for further instruction on how to operate the boom assembly.

The following instructions are assuming the machine's engine is running.

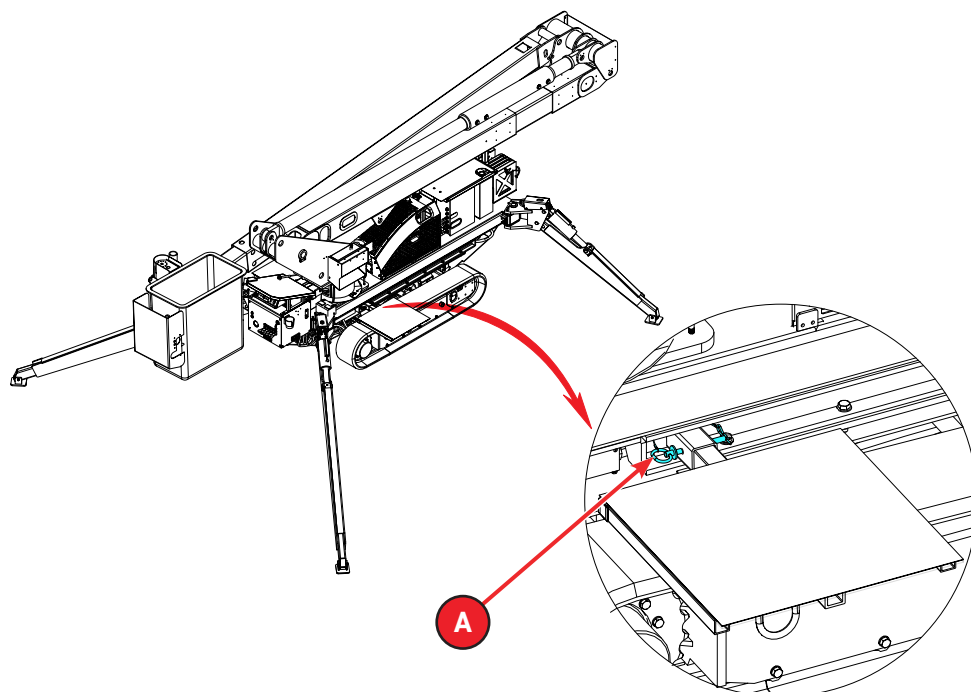
1. Ensure that work area is clear of any obstructions.
2. Deploy machine outriggers and ensure machine is stable and level.
  - Outriggers must be used for any type of boom function.
3. Insert Operator platforms and pin them into their respected socket on both sides of the **Load King** 35-61B/64B machine. See diagram on following page for reference.

**Left side Operator platform installation:**



A	Insert Pin
---	------------

**Right side Operator platform installation:**

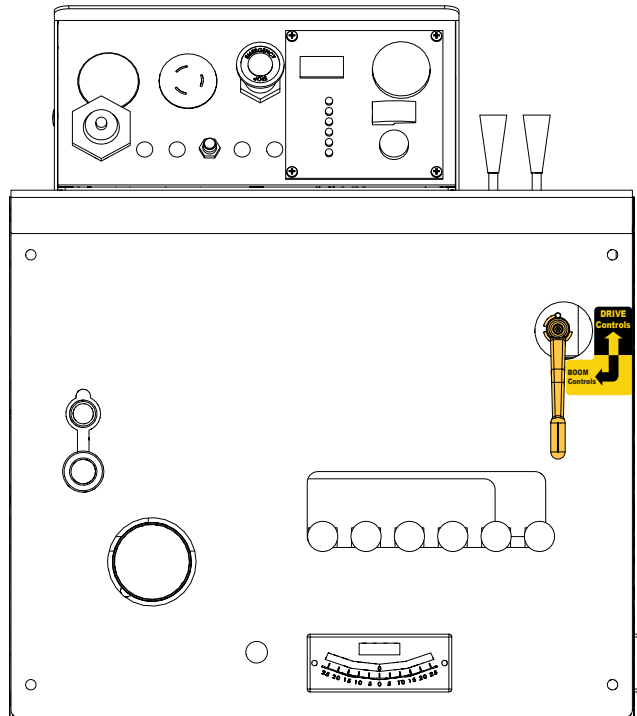


A	Insert Pin
---	------------

## 35-61B/64B

### Operating Instructions Boom Operation/Controls

4. Switch "BOOM/DRIVE Controls" selector to "BOOM".
  - Once selector is switched to "BOOM", are unable to drive the machine or operate the outriggers.



5. Walk around the machine and remove the straps that hold the upper and lower boom sections to the **Load King 35-61B/64B**. These straps use ratchet style buckles.
6. From this point are able to exercise the boom function handles.
7. Once the boom assembly is raised above the boom rests, if possible lower or pivot the rests out of the way so the boom assembly doesn't come in contact with them.

## 35-61B/64B

Operating Instructions

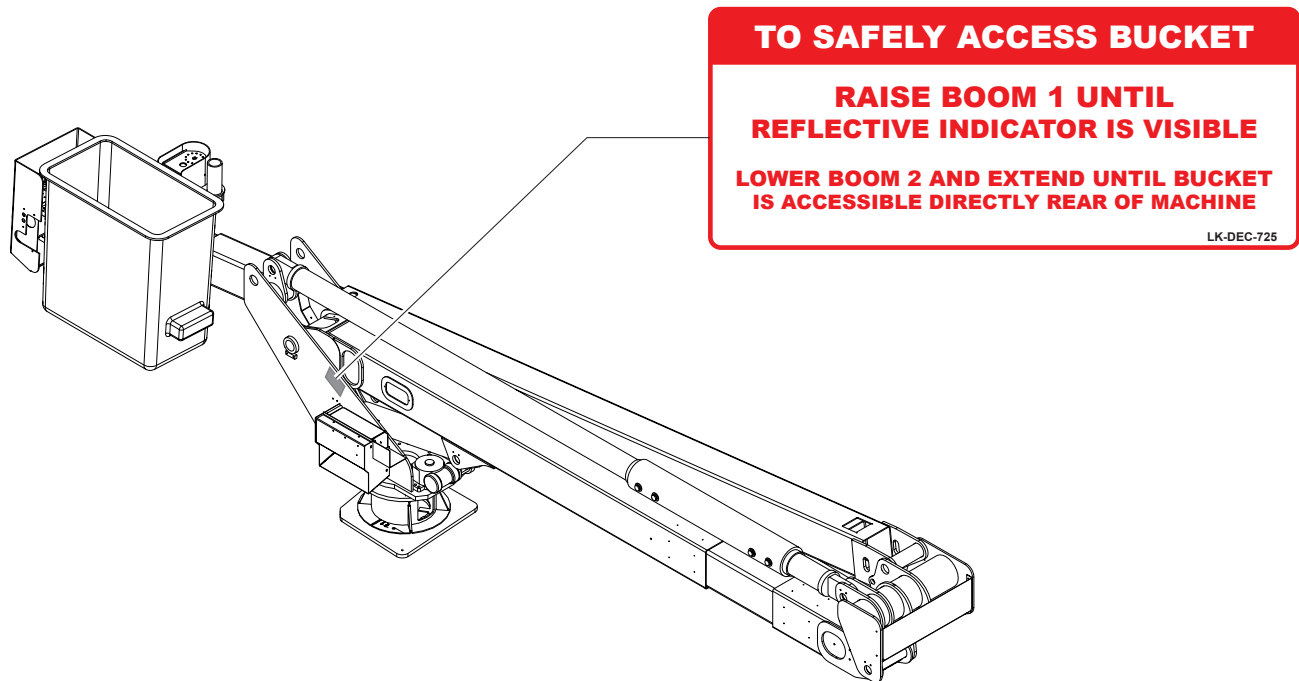
Boom Operation – Getting into the man basket



### Boom Operation – Getting into the man basket

The **Load King** 35-61B/64B is equipped with a man basket. On the **Load King** 35-61B/64B machine, there are various decals/labels that aid the Operator in getting into the man basket. These decals/labels are located on the machine's turret and where the pedestal meets the rotation gear. Below are the decals/labels, what they mean and the procedure to enter the man basket.

The following instructions are assuming that the machine's engine is running, outriggers deployed, all boom straps are removed and that the machine's selector valve is in the "BOOM" position.

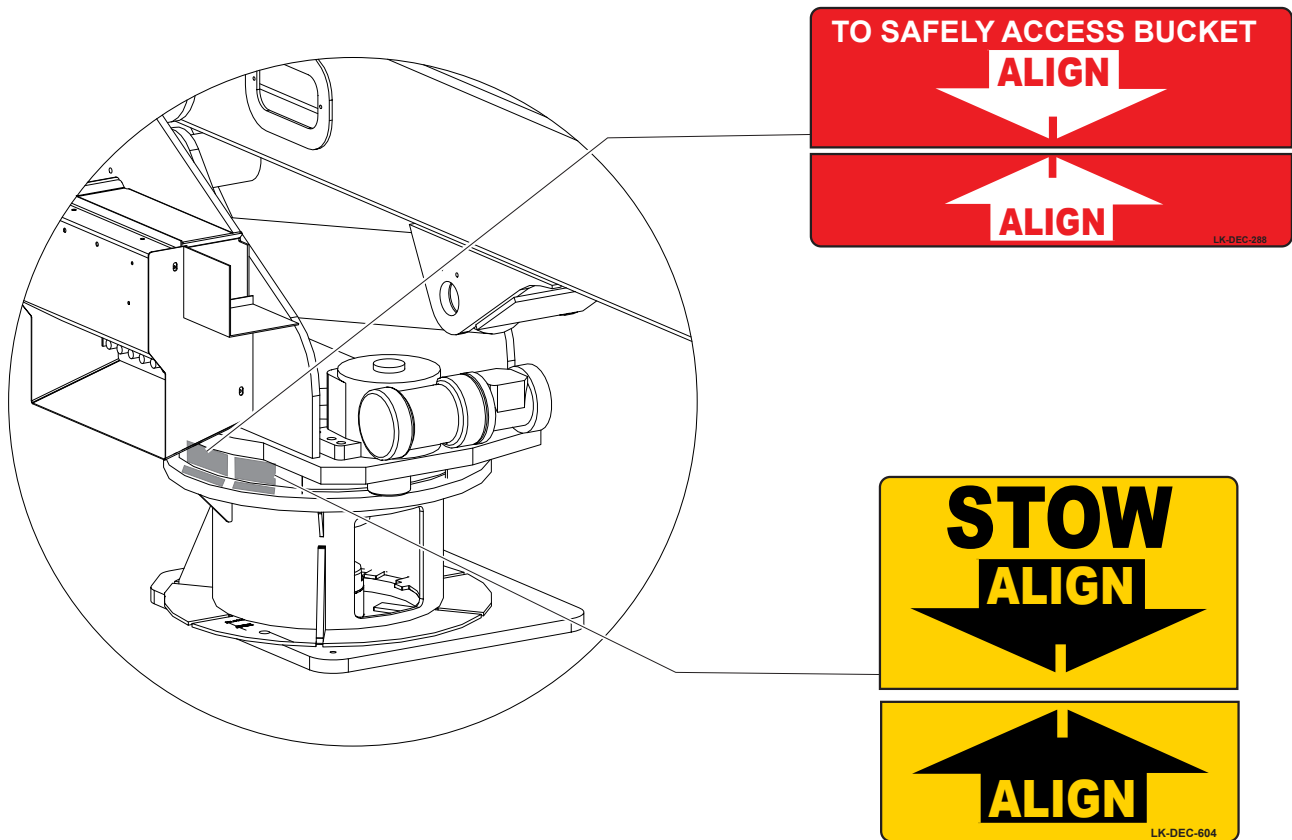


The above decal is on the right side of the **Load King** 35-61B/64B turret. It references "BOOM 1" as the lower boom and "BOOM 2" as the upper boom. This decal is instructing you to raise the lower boom until the reflective decal on the turret is parallel with the reflective decal on the lower boom. When achieved, this gets the boom into a position for the next step to get into the man basket.

## 35-61B/64B

### Operating Instructions

#### Boom Operation – Getting into the man basket



The above decal is where the pedestal meets the rotation gear. It is positioned so that when the two alignment arrows are in-line, you are able to lower and extend the upper boom assembly to access the bucket. If this procedure is done correctly and in order, the boom assembly will not come in contact with the machine.

**Load King** recommends that the Operator stands on top of the Operator platforms when operating the boom. If the boom does come in contact with an energized powerline, this will give the Operator the chance to JUMP off the platform to safety. If the Operator does not jump, you have the possibility to be the "ground" for the energized machine. Serious injury or death can occur if the machine is to become energized. The Operator **MUST** follow all local guidelines when operating around energized lines. The **Load king** Operator platforms are not guaranteed to protect you from electrocution or any other physical harm as your work environment differs from one job to another.

## 35-61B/64B

Operating Instructions  
Accessory Instructions



### Accessory Instructions

The **Load King** Outback 35-61B/64B has a vast selection of accessories that can be added to the machine. The following are a few quick instructions on how to operate them. If have a question about a certain option or have an issue, contact **Load King** and talk to a representative.

#### Wireless Radio Remote

The **Load King** Outback 35-61B/64B has an option to have a wireless, radio remote control. This remote allows the Operator to control the drive and boom functions. The approximate range of the remote to machine is 1,000 feet. Please refer to the Remote-Control Operation Instructions (located at the end of this manual) on how to operate the remote. If have any questions about the function of the remote or have an issue, please contact a **Load King** representative.

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## Transportation

### Unloading Machine from Trailer

Before unloading the **Load King** 35-61B/64B from its trailer, survey the area to which the machine will be unloaded. Position trailer on level ground. Make sure the area is clear from obstructions. Perform the following steps to ensure the proper unloading technique.

1. Make sure towing vehicle is placed into "PARK".
2. Keep trailer hitched to vehicle when unloading to prevent unwanted trailer movement. Chock trailer wheels to prevent unwanted trailer movement.
3. Unpin loading ramps and ensure they are pushed to the most inward position of the trailer ramp sliding bar.
4. Lower the loading ramps to the ground.
5. Unstrap the unit from trailer with the provided winch bar.
6. Lower man bucket rest by turning the turnbuckle. Once the rest is lowered enough, remove from socket and place in safe area so that the machine or Operator doesn't come in contact with it.
7. Start engine of the machine.
  - ENSURE UNDERCARRIAGE TRACKS ARE FULLY EXTENDED BEFORE ANY TYPE OF TRAVEL. Failure to comply with this statement may result in serious injury or death. Tracks are only to be retracted when going through a narrow gate. Warning beeper will sound if tracks are not fully extended.
  - ENSURE BOOM IS FULLY RETRACTED AND IN THE STOWED POSITION WHILE TRAVELING. Failure to comply with this statement may result in serious injury or death. Boom is only supposed to be out of stow when all outriggers are deployed.
8. Put machine into **LOW** speed travel mode. There is a rocker switch on the engine control panel that is labeled "**LOW**" and "**HIGH**".
  - **Load King** recommends the machine be placed into **LOW** speed travel mode when loading and unloading the machine from the trailer.
9. Place machine into "DRIVE Controls" mode. There is a selector valve located on the front side of the valve frame assembly. This selector valve has 2 positions, "DRIVE Controls" and "BOOM Controls".
10. Cautiously back machine over loading ramps by exercising the machine drive controls. The machine drive controls are located to the right of the engine control panel. The left handle controls the left-side drive and the right handle controls the right-side drive. Exercising the handle forward (towards front of machine) or backwards will drive the machine in that direction.
  - When possible, use the remote control to drive the machine **off/on** the trailer. The remote will enable the user to operate the machine at a safe distance. Also, the user will be able to survey his surroundings.
11. Proceed to jobsite location.

## 35-61B/64B

Transportation

Loading Machine from Trailer

### Loading Machine from Trailer

Before loading the **Load King** 35-61B/64B onto the trailer, survey the area to which the machine will be driven on. Position trailer on level ground. Make sure the area is clear from obstructions. Keep trailer hitched to vehicle when loading to prevent unwanted trailer movement. Perform the following steps to ensure the proper loading technique.

1. Make sure towing vehicle is placed into **PARK**.
2. Chock trailer wheels to prevent unwanted trailer movement.
3. Unpin loading ramps and ensure they are pushed to the most inward position of the trailer ramp sliding bar.
4. Lower loading ramps to the ground and ensure the trailer deck is clear of obstacles or tools.
5. ENSURE MACHINE'S UNDERCARRIAGE TRACKS ARE FULLY EXTENDED BEFORE ANY TYPE OF TRAVEL. Failure to comply with this statement may result in serious injury or death. Tracks are only to be retracted when going through a narrow gate. Warning beeper will sound if tracks are not fully extended.
6. Put machine into **LOW** speed travel mode. There is a rocker switch on the engine control panel that is labeled "**LOW**" and "**HIGH**".
  - **Load King** recommends the machine be placed into "**LOW**" speed travel mode when loading and unloading the machine from the trailer.
7. Place machine into "DRIVE Controls" mode. There is a selector valve located on the front side of the valve frame assembly. This selector valve has 2 positions, "DRIVE Controls" and "BOOM Controls".
8. Cautiously drive machine over loading ramps by exercising the machine drive controls. The machine drive controls are located to the right of the engine control panel. The left handle controls the left-side drive and the right handle controls the right-side drive. Exercising the handle forward (towards front of machine) or backwards will drive the machine in that direction.
  - When possible, use the remote control to drive the machine **off/on** the trailer. The remote will enable the user to operate the machine at a safe distance. Also, the user will be able to survey his surroundings.
9. Drive machine onto trailer until track undercarriage comes in contact with track stop located on the trailer. This track stop is positioned for the correct tongue weight of the trailer. Moving this track stop will alter the tongue weight of the trailer thus hindering trailer stability. **DO NOT MOVE** track stop.
10. Turn machine engine off.
11. Insert man bucket rest into its socket located on the rear of the trailer. Turn the turnbuckle until there is 1"-2" of penetration on the rubber pad to the man bucket. Re-latch man bucket rest safety chain.
12. Strap machine down to its trailer before transporting the **Load King** 35-61B/64B.

## Maintenance



Never attempt to clean, adjust or lubricate a track unit while it is in motion. Failure to do may result in serious personal injury or death.

## General

Proper tension of the rubber track is essential for maximum track and undercarriage life and will result in less down time. Refer [Adjustments](#).

Over tightening track can accelerate undercarriage bearing wear and overstress and stretch or crack the rubber track allowing contaminants to deteriorate the rubber compound and steel reinforcing components.

Loose tracks can derail during turning and can also reduce machine stability during operation. It is also possible for the drive sprocket to slip over the belt driving lugs causing wear to the rubber track and possible failure. Derailing causes track damage. Never repair with used or worn components (idler, sprocket, rollers).



Loose tracks will allow excessive machine motion resulting in decreased stability during operation.

## Lubrication

1. Different OEM brand hydraulic wheel motor drives are used on track unit assemblies, but the lubricating procedure is similar.
2. Park the unit so the fill plug is at the top. Some units will have a plug identified as "FILL". If the plug is not identified, the two opposite plugs are the same and either can be positioned at the top.
3. Check oil level at center check plug. Oil should seep out when plug is removed. Top off if required.
4. Lubrication Specifications: Consult the wheel motor manufacturer's instructions for the proper lubricant, quantity and operating temperature range.

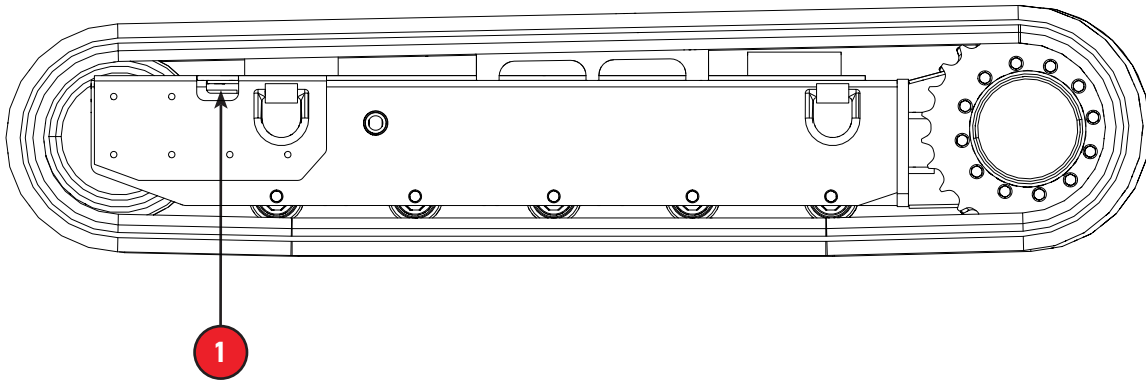
# 35-61B/64B

Maintenance  
Adjustments

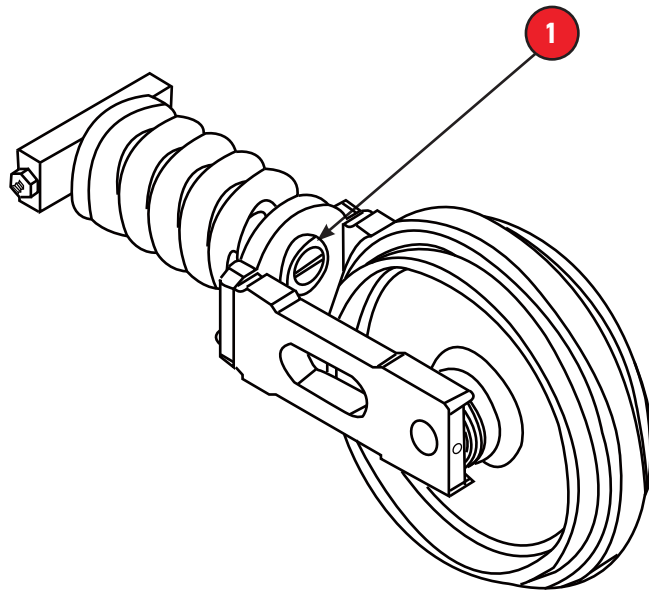
## Adjustments

### Inspect Tension

Check the tension at the tensioner viewport to ensure the engraved tensioner ring is in the correct position. The engraved tensioner ring should be flush with the tensioner mount plate. If the engraved tensioner ring is not in the correct location, you must adjust tension to prevent damage to the tracks.

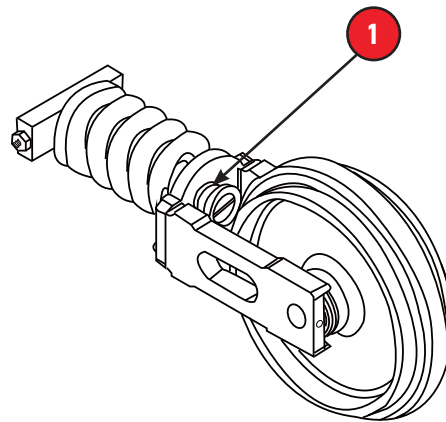


1	Tensioner View Port
---	---------------------



**Not Properly Tensioned**

1	No tension on compression spring (Engraved tensioner ring is not exposed)
---	--

**Correctly Tensioned**

1	Engraved Tensioner Ring Exposed
---	---------------------------------

**Adjust Tension**

1. Remove the protective plug that covers the grease relief valve.
2. Support track assembly so the track clears the ground.
3. Apply a standard grease gun to the grease valve fitting (zerk) and slowly pump grease to extend the track tensioner against the compression spring.
4. The grease valve has a check valve behind the zerk to prevent grease from coming back under pressure. If it is necessary to release track tension, turn the check valve CCW a few turns until the grease is allowed to expel. Retighten when complete.
5. Lower the track back onto the ground and replace the protective plug.

**Cleaning**

Keep driving system cleaned and properly maintained. Remove any debris or mud which could interfere with the operation of the machine.

If mud and debris is allowed in the undercarriage it can plug the spring-loaded tensioner preventing it from relieving stress on the track when traveling over irregular surfaces. Mud can build up on the track rollers thereby over-tensioning and stretching the track or the rollers can stop turning and then scrub on the track creating wear and failure.

Wash fuel and oil from the tracks.

**Repair**

In order to prevent bonding or corrosion failures, tracks should be repaired immediately when damaged.

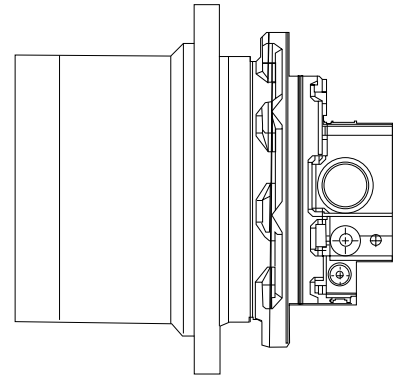
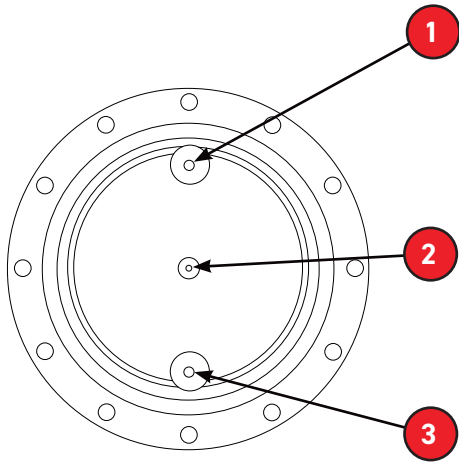
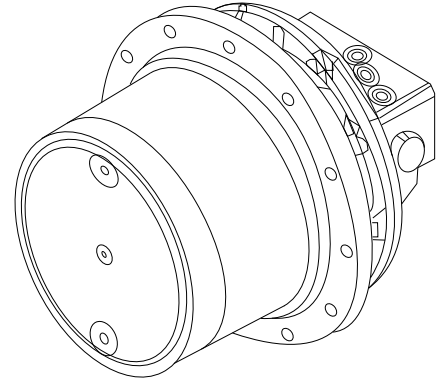
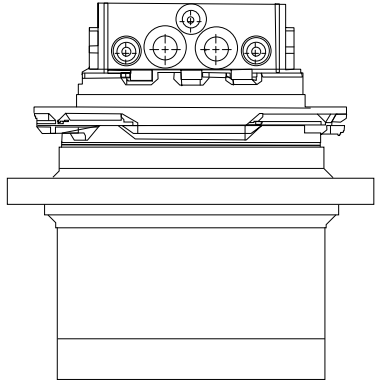
Minor cracks in the rubber can be filled with rubber repair compound.

Once the steel cords have failed, the track is no longer serviceable.

# 35-61B/64B

Maintenance  
Track Drive Motor

## Track Drive Motor



Sr No	Ports	Tightening Torque
1	Oil Supply Port	34-38 ft-lb
2	Oil Level Check Port Plug	9-13 ft-lb
3	Oil Discharge Port	34-38 ft-lb

Lube Requirements	
Quantity	1000cm <sup>3</sup>
Lube Type	80W-90 Gear Lube
First Change	200 Hours or 2 Months
Second and after Change	1000 Hours or 1 Year

# 35-61B/64B

Checklist and Inspection form  
Machine Inspection Chart



## Checklist and Inspection form

### Machine Inspection Chart

This checklist is to be used in addition to the information provided in this manual to properly operate and maintain the machine.

	This inspection intervals are recommended by <b>Load King</b> . If there are further maintenance questions, contact <b>Load King</b> .
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INSPECTION	SERVICE	DAILY	WEEKLY	3 MONTHS	6 MONTHS	1 YEAR
Hydraulic Oil	Check level	X				
	Drain oil and replace					X
Hydraulic Return Filter	Replace				X	
Hydraulic Hose(s) & Fittings	Check for leaks/cracks. Repair leaks immediately	X				
Engine Oil	Check level	X				
	Change oil (check engine manual)					
Engine Air Filter	Clean and inspect	X				
Track Undercarriage	If equipped: Check track tension(er)	X				
Track Undercarriage Slide Bars	Grease slider bar contact area		X			
Boom	Grease all fittings	X				
Nylon Sheaves ( If equipped)	Check for sharp edges and cuts		X			
Winch Line Hook ( If equipped)	Inspect hook and latch	X				
Winch Line ( If equipped)	Inspect for wear and broken strands	X				
Rotation Bearing	Check torque on bolts	X				
Rotation Bearing Bolts	Check torque on bolts. Refer to boom manufacturers manual for torque specification.			X		
Rotation Bearing	Grease with an EP grease			X		
Outriggers	Grease all fittings, sockets and pins	X				
Pin Retainers	Make sure pin retainers are in place and tightly bolted	X				
Tie Down Hooks	Make sure bolts are tight	X				

## **35-61B/64B**

Checklist and Inspection form  
Load Chart

### **Load Chart**

The **Load King** machines are equipped with an articulating, telescopic boom assembly. These boom assemblies have varying basket capacities between each model. The work zones are a full 360° continuous rotation. Below are the basket capacities for the various **Load King** models as of May 12th, 2020:

**Load King 61: 300 lbs**

**Load King 64: 300 lbs**

**-Winch rating: 1,000 lbs**

The operator has the ability to maneuver the boom in any direction and orientation as long as the basket capacity/winch capacity is not exceeded and the operator is following the proper outrigger deployment procedure. Serious injury or death may occur if operator is to exceed the basket capacity/winch capacity of the machine. Each machine has a data plate attached to the machine stating the rated basket/winch capacity as well as various decals stating the capacity. Refer to the boom manufacturers manual for additional load information as well as winch load chart information. If the operator is unable to find the basket rating/winch rating, do not operate the boom assembly and contact **Load King** for the desired information.

The operator is to know what the load in the basket is at all times. Any object inside the basket accounts for capacity. That includes; operator, gear, tools, debris, ect. **Load King** recommends to clean out the basket after each use and put protective cover over basket opening.

## Technical Information

### Track Maintenance

Due to functional necessity, the components of the undercarriage are open to soil, sand, rock, water, chemicals and the elements. Regular maintenance of the undercarriage is inevitable throughout the course of normal machine use.

### Precautions/Handling Recommendations

#### Installation and Repair

Only trained personnel should perform the mounting of rubber tracks. Incorrect assembly may result in premature failure and/or damage to the machine.

#### Tension of Rubber Tracks

Improper tension may result in track alignment problems which could ultimately lead to de-tracking or premature failure. Tension should be inspected regularly and adjusted if necessary. Refer [Maintenance Section](#).



Loose tracks can allow excessive machine motion resulting in decreased stability during operation.

#### Unfavourable Terrain Conditions

Rubber tracks should not be used in certain terrains because damage can occur to the lug sides of the tracks. Some common and unfavourable terrain conditions are hard surface roads, rocky fields, stump fields, large ruts or holes, scrap rebar, troughs, crowned ridges, and along walls or border stones. Inspect the work site before beginning operation and remove any of these items when possible.

If use of the rubber tracks under any of these terrain conditions is unavoidable certain precautions can help reduce the potential for de-tracking. Drive slowly and carefully, feathering the drive controls to even out the machine speed. Avoid making sharp turns which can cause the rubber track to curl and de-track.

If rubber tracks are run up against mounds, rocks or concrete walls, a crack may occur at the edges of the rubber tracks. Avoid these circumstances whenever possible.

High abrasion soils like coarse sand and clay will unavoidably reduce track life. High moisture soil will increase the likelihood of mud packing inside the track drive and support rollers. Mud build up on rollers increases track tension; therefore, very regular clean up is required under this condition.

## 35-61B/64B

### Technical Information Track Maintenance

#### Operating Tips

- Ideal operation is to keep both tracks equally loaded and both tracks fully and evenly supported by the ground. Since this is not always practical, manage the deviations wisely to conform as closely as possible to ideal conditions.
- Following are some tips to deal with common deviations, as well as deviations that must be avoided.
- Tight turns put torsional loads on the undercarriage. If unavoidable, alternate between left and right turns to equalize wear.
- Avoid counter rotation manoeuvres. This creates a very high stress on the tracks and undercarriage.
- Do not make sharp turns on slopes. Always stop before carefully beginning any turns.
- Avoid making quick turns on concrete roads. The high friction between the track and surface may result in de-tracking or abrasion.
- Equalize track wear by making the same amount of right and left turns, the same front to rear wear loading, etc.
- Carry only light loads on slopes when required.
- If the machine operation is dozing or similar, alternate the work cycle in both directions to equalize the wear and terrain conditions.
- Do not apply down pressure to implements that cause loss of traction and track spinning, such as when using a blade to back drag. To back drag, use the "float" mode.
- Troughed and crowned surfaces place the load on the edges of the tracks. Avoid these surfaces when possible.
- When going from flat to sloped terrain, go up and down the slope, not along the slope, thereby equalizing the load on each track.
- When necessary to operate on slopes and only when safe, alternate directions so equal up slope and down slope time is put on each track.
- Avoid non-productive travel. Transport track machines by truck or trailer to the job site to prolong track life. Always work in both directions, do not back up to work only in one direction.
- Travel in reverse only when required. Less stress is applied to the track in forward and lug patterns are designed for forward travel.
- Drive slowly and carefully to avoid unfavourable terrain and obstacles that could damage the track. It is recommended to make multiple large radius turns instead of making single, sharp turns. Make "Y" turns to change direction. Avoid slipping and spinning the tracks.
- Drive carefully on rough terrain and gravel surfaces. Do not drive over sharp rocks or other obstructions that can puncture the track or concentrate forces on a small area of the track. Always strive to keep the full driving surface of the track in contact with the ground.
- Drive to avoid turning into obstacles that could contact against the frame causing structural damage. Avoid tight turns that force dirt and debris between the track and track support rollers.
- Do not allow obstructions to enter between the track and the track frame or roller support mechanism. Damage will result.

- Never allow the edge of the track to ride up onto rocks, curbs, walls or other objects that bend the track edges. This will cause the track rubber to shear or crack along the ends of the steel inserts backbone of the track, allowing moisture and contaminants to infiltrate the track. Eventual chunking off the rubber will occur and the steel cords will corrode leading to complete failure.

## **Operating Environments**

### **Temperature**

The acceptable temperature range for problem free operation of standard rubber tracks is between -13°F[-25°C] and 131°F[+55°C]. If your application does not occur in this range, contact us for special rubber compounds.

### **Fuel & Oil Contamination**

Fuel or hydraulic oil should not be allowed to come in contact with rubber tracks. If such occurs, it should be immediately wiped off or rubber deterioration may occur.

### **Salty Environment**

Salty environments should be avoided because salt and salty air erode the adhesion of rubber to the core metals. After rubber tracks have been used in such conditions, the salt should be removed with high pressure water spray as soon as possible.

### **Storage**

If rubber tracks are stored for long periods of time, they should be kept indoors to avoid exposure to direct sunlight and weather conditions to avoid deterioration.

Tracks should be stored on their side. Do not lay flat (as if it were on a machine) unless support has been provided to the inside of the track. This will prevent crimping in the track which could weaken the steel reinforcing cords and reduce track life.

Do not bend the track during storage or it may not track properly when installed.





[www.loadkingmfg.com](http://www.loadkingmfg.com)

# 35-61B/64B | Operator's Manual

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