



# **RL600RC And 600RS**

## **Operator's & Maintenance Manual for RackLift™**

**[www.RackLift.com](http://www.RackLift.com)**

**1-877-788-7774**

# Contents

## ***Important Notice***

Do not operate the RackLift™ if you have not read and completely understand the contents of this operator's manual. Failure to read, understand, and follow instructions in this manual may result in property damage and/or personal injury. If you do not understand any part of this manual or if you have any questions please contact BIAC Broadband USA Inc. at 1-877-788-7774. This manual must remain with the RackLift™ unit at all times.

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# Safety Instructions

- Do not move RackLift™ while the Basket Tray is raised, except for minor positioning.**
- Keep Hands and Feet Away From Load Bearing Cable, Pulleys, The Carriage, and Other Potential Pinch Points.**
- Do not raise load until properly centered and secured.**
- Do not stand underneath lifted server.**
- Use only on level floor. No incline or decline.**
- Do not stack servers on top of each other.**
- Do not load to more than capacity.**
- Do not operate while under the influence of drugs or alcohol.**
- Do not push RackLift™ with wheels still locked.**

# Safety Instructions

**Pinch Hazard** - Moving Tray can crush or cut

- Keep Hands and Feet Clear



**Fall Hazards**

- Do not use as a personal lifting platform or step.
- Do not stand on or climb any part of the RackLift™ unit.

**Collision Hazards**

- Do not raise or lower platform until area is clear of objects and/or people.
- When raising RackLift™ watch for ceiling height, sprinklers, smoke detectors, lights or any other overhead objects.

**Damaged Machine Hazard** -Do not use a damaged or malfunctioning RackLift™ unit.

**Improper Use Hazard** -Do not leave unit unattended with an overhead load.

# Operating Instructions

## RackLift™ Operation

1. Position RackLift™
2. Lower platform to lowest position
3. Load server onto RackLift™ platform
4. Secure server using strap hooks
5. Position RackLift™ at destination. Secure strap hooks to Rack and tighten before extending sliding tray.
6. Adjust platform height with winch hand crank. Please note the tray will lift on a slight angle. Crank past the intended location and reverse to level tray.
7. Load server into rack
8. Lower platform to lowest position

## Function Test

The function test is designed to discover whether the unit is functioning properly prior to use. The test should be performed before using the RackLift™ unit. Always test unit on a sturdy, level floor free of debris or clutter.

# Operation Instructions

## Winch Function Test

1. Begin turning the winch to raise the lifting platform all the way up to it's highest point. Next turn the winch to lower the lifting platform to it's lowest point. If the lift does not raise to it's highest point or lower to it's lowest point please contact support at [support@biacusa.com](mailto:support@biacusa.com).
  2. Add a slightly weighted object to the platform
  3. **Test the manual winch locking mechanism** by repeating step 1 and letting go of the winch at different heights while raising and lowering the lifting platform. Attempt to spin the handle counter clockwise to check brake. **If Handle Spins DO NOT USE LIFT!**
- Contact RackLift Support** for a repair kit or Email [sales@biacusa.com](mailto:sales@biacusa.com) with name and shipping address. See Appendix Page 14



# Operation Instructions

## Platform Operation

The platform is attached to two (2) drawer slides that allow the RackLift™ platform is slide straight out 24 inches.

## Wheel Lock Operation

The RackLift™ wheels come equipped with their own locks allowing for specific wheels to be locked depending on the job.

To lock the wheels locate the locking mechanism on the front of each wheel and push down on the side that says “on”. This will turn on the wheel lock. To unlock the wheels, using the same locking mechanism, push down on the side that says “off”. This will turn off the wheel lock.



# Maintenance Schedule Instructions

**Before Every Use:** Inspect Winch Cable and Pulleys

**Once Every Year:** Oil pulleys, gears and sliders

Select a high quality multi-purpose lubricant that has good high pressure and anti-wear characteristics and is suitable for gears, ball bearings, and wheel bearings.

**Inspect Manual Winch:** Crank platform to waist height and attempt to spin handle counter-clock wise to verify brake is functioning correctly

## **Winch Cable Inspection**

1. Fully lower platform and inspect upper cables and pulleys
2. Fully raise platform and inspect lower cables, pulleys and winch.

When inspecting cable, look for:

- Broken wires or cut strands
- Distortion such as: kinking, crushed parts, change in cable diameter or fraying cables.
- Wear
- Corrosion

## **Pulley Inspection**

1. Remove top back brace and inspect pulley.
2. Inspect pulley at winch.
3. Locate and inspect lower pulley.

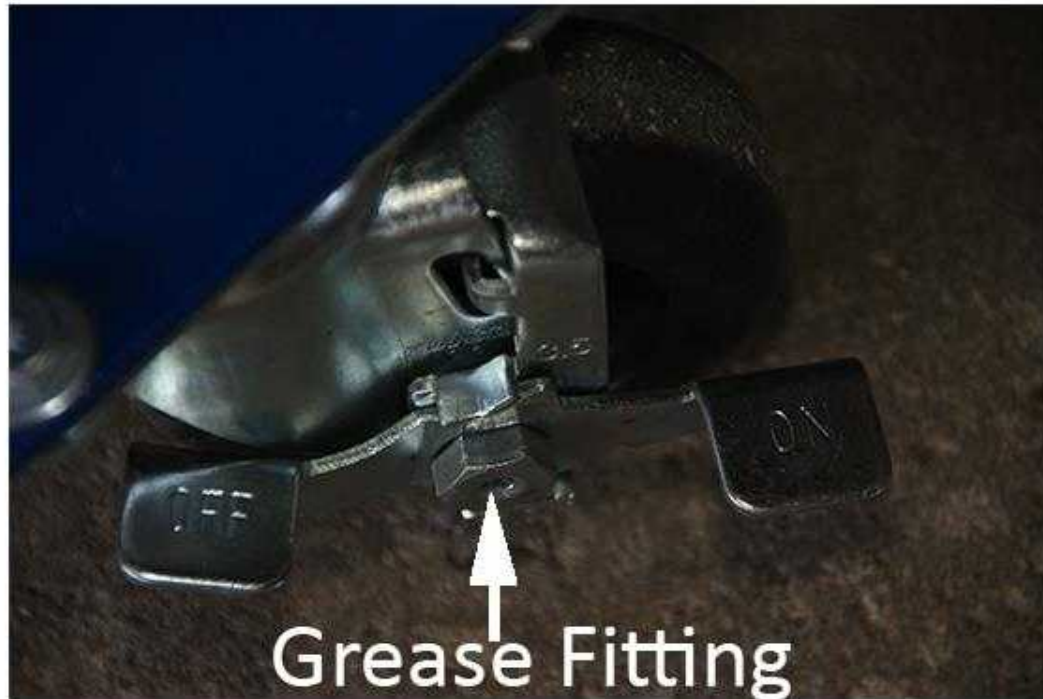
***NOTE: If cracks or extreme wear are present, contact support.***



# Maintenance Instructions

## Caster Lubrication

1. Locate the grease fitting on the outside of the caster bracket.
2. Using Lubricant carefully squirt oil into grease fitting.
3. Once full, be sure to wipe any excess oil away from fitting.



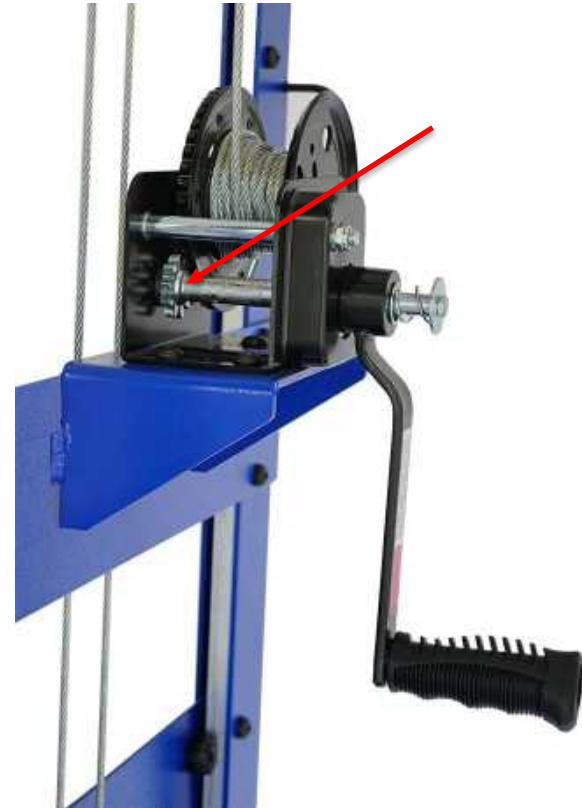
# Maintenance Instructions (Manual Models Only)

## Winch Lubrication

1. Turn winch until lifting platform is either all the way to the top or all the way to the bottom.

2. Begin by slowing turning winch. While winch is turning using a lubricant apply to each of the winch gears. Continue turning winch until gears are well oiled.

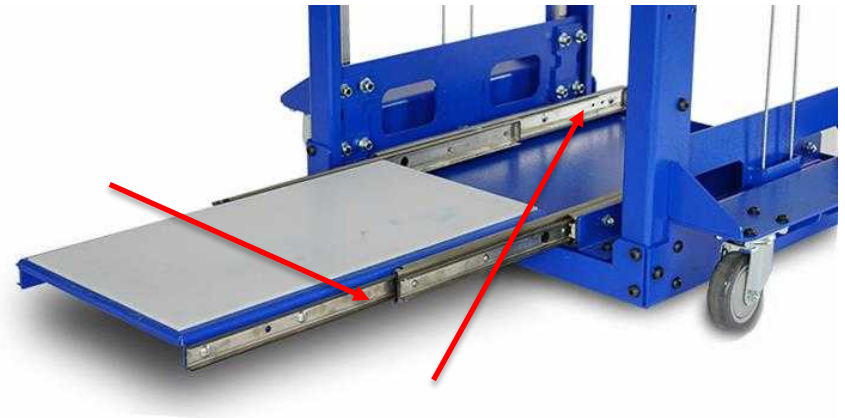
3. Using a clean cloth or rag wipe excess oil away from winch.



# Maintenance Instructions

## Stainless Steel Drawer Slides Lubrication

1. Pull RackLift™ drawer slides out until they are fully extended.
2. Apply a thin line of lubricant along the length of each slide of rails using a rag or Q-Tip.
3. Once completed, push the slides back together and pull them out a few times to spread lubricant.
4. Repeat step 1.
5. Using a clean cloth or rag wipe away excess grease.



High Temp Grease from any Auto parts store will work.

# Warning Labels – All Models

## WARNING!

Maximum Recommended  
Capacity: 600lb/273kg

Racks must be properly secured to the  
Building Structure before using RACKLIFT.

Secure RACKLIFT to existing racks with all four  
Ratchet Strap's before extending loaded Tray.

RL400

[RACKLIFT.COM](http://RACKLIFT.COM)

## WARNING!

Maximum Recommended  
Capacity: 650lbs/295kg

Racks must be properly secured to the  
Building Structure before using RACKLIFT.

Secure RACKLIFT to existing racks with all  
four Ratchet Strap's before extending  
loaded Tray.

[RACKLIFT.COM](http://RACKLIFT.COM)  
RL600S



## DANGER!



**TOP HEAVY EQUIPMENT**

**IMPROPER LIFTING CAN RESULT IN  
INJURY OR DEATH**

TRAY MUST BE IN THE LOWEST POSITION BEFORE  
TRANSPORTING EQUIPMENT

ATTACH SAFETY STRAPS TO A SECURE RACK  
BEFORE EXTENDING TRAY



## WARNING

The RackLift Auto Locking Basket Tray  
Must Remain in The Lowest Position  
When Transporting Equipment. Secure  
Equipment With The Straps Provided.  
Always Keep Hands and Feet Away From  
Load Bearing Cable, Pulleys, The  
Carriage, and Other Potential Pinch  
Points. Please Use The Provided  
Handles. Please Read The Safety Manual  
Located In The Upper Compartment.

**RackLift**  
SUPPORT 1-877-788-7774



## DANGER!



KEEP  
HANDS  
CLEAR

**Pinch Points**



Moving Tray can crush or cut

**Keep Hands and Feet  
Clear**



# Return Policy and Limited Warranty

BIAC Broadband USA, Inc. (BIAC™) agrees to repair or replace any RackLift™ as a direct result of a defect in original workmanship or materials furnished by BIAC™ which causes a malfunction or breakdown of a RackLift™ during the warranty period, provided that:

1. The RackLift™ is new at the time of purchase or lease by the warranty owner (the warranty is not transferable without the prior written consent of BIAC™);
2. The RackLift™ has been used in accordance with the safety instructions in the operating manual;
3. The repair is made by BIAC™ or by an authorized agent;
4. The owner pays any applicable removal and installation costs; and
5. The repair is not an excluded repair.

RackLifts returned for credit are subject to a restocking charge of 10% per week of the original purchase price from receipt of shipment. RackLift™ trade in for upgrade, exchange or recycling are subject to inspection and valuation.

The original RackLift™ must be returned for repair or replacement at the discretion of BIAC™ and the owner agrees that BIAC™'s liability in respect of an authorized repair is limited to the cost of repairing or replacing the RackLift™ with a new or manufacturer's rebuilt part or parts.

ALL parts of the RackLift™ are covered for the times set out below.

1. When assembled for use on a data center one year from date of purchase or receipt of RackLift™;

The following are exclusions from the BIAC™ warranty and are not covered:

1. Labour for removal and re assembly of the RackLift™;
2. Repairs or replacement resulting from accidental damage, any alteration of the RackLift™ or when the unit has not been properly maintained;
3. Repairs or replacement resulting from damage from an external cause;
4. Unauthorized repairs;
5. Repairs or replacement resulting from alterations or modifications after the RackLift™ is assembled;
6. To any RackLift™ where there is evidence of tampering;
7. Where repair or replacement is required as a result of environmental causes, acts of riot or similar causes or acts of God;
8. All consequential and/or resultant loss damage, injury, death and expenses resulting there from of any kind whatsoever suffered by any person or thing except as specifically provided for herein; and
9. For repair or replacement resulting from normal vibration, deterioration, distortion or deformation.



# Return Policy and Limited Warranty

In the event of a claim by the Purchaser or authorized transferee of this Warranty, the Purchaser must make the RackLift™ available to BIAC™ for inspection before any repairs are made. Failure to do so will void this Warranty.

This warranty contains all of the terms and conditions detailing the rights and obligations of the owner and there are no warranties or representations, express or implied, except those contained herein. It shall be a condition precedent to any obligation of BIAC™ hereunder that the owner return or make available to BIAC™, or one of BIAC™'s authorized dealers, the RackLift™.

This warranty shall be governed by and interpreted in accordance with the laws of the State of Florida for product sold in the United States of America.

**To The Purchaser:** This certificate, together with a copy of your authorized RackLift™ dealer invoice, which must include the date of sale or installation, is your proof of purchase. If you request a warranty replacement or repair, these documents must be presented to an authorized RackLift™ dealer. Warranty terms and limitations are set out in the entirety of this BIAC Broadband USA, Inc. RackLift™ **WARRANTY**. Dealers cannot change or override the terms of the BIAC™ warranty.

RackLift™ is a Trademark of BIAC Broadband USA, Inc