



David Round & Son, Inc.  
Ruger Division  
10200 Wellman Rd  
Streetsboro, OH 44241  
Phone: 330-656-1600  
Fax: 330-656-1601  
info@davidround.com  
www.rugerindustries.com



**Model: HP1500R**

***SERIAL NUMBER***

*David Round Serial No.:*

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## ***OPERATOR'S MANUAL***

For safety, one copy of this manual must be stored on or with the equipment and referred to by all operators.

**All operators must read, fully  
understand, and apply all safety  
instructions, before operating this  
equipment.**

**IMPROPER USE OF THIS  
EQUIPMENT CAN BE  
HAZARDOUS!**



**C**ongratulations on your purchase of your standard HP1500R Ruger floor crane. You now own one of the most versatile cranes in the market. In order to ensure many years of safe and dependable service, please read this Operator's Manual before using the equipment. If you have any questions or need additional information, please contact us at:

Phone: 330-656-1600

Fax: 330-656-1601

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

E-mail: [info@davidround.com](mailto:info@davidround.com)

Below is a list of standard accessories that you should have received with your HP1500R

- Operator's Manual
- Alloy Chain & Swivel Hook with Safety Latch
- Extension Boom Safety Pin
  - Pump Handle
  - Counterweight

....a better way to work with heavy loads



**C o n t e n t s**

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# GENERAL INFORMATION

1. When ordering parts, indicate the Model and Serial Number. This information is provided to you on the front cover of this manual. The Model and Serial Number can also be found on the Serial Number tag on the unit.
2. Ruger Parts Department can be reached at (330-656-1600), 9 AM to 5 PM EST. time, Monday through Friday except for holidays.
3. All parts are FOB Streetsboro, OH. Terms are Net 30 with approved credit or credit card or wire transfer. Minimum order is \$100.00.
4. Quality at Ruger starts with raw materials which are inspected to insure our products will be of good quality and free from defects. Each product is tested completely and rechecked before shipment.

## **RECEIVING AND PRE-OPERATIONAL INSTRUCTIONS**

Upon receipt of this unit, visually inspect for damage that may have occurred during shipment and report any damages to the carrier.

In accepting this shipment from Ruger Industries, Inc. the carrier has acknowledged receipt in good condition and complete as shown on the Packing List and/or Bill of Lading.

Ruger Industries responsibility for this shipment has now ceased. Any shortages or damage must now be resolved between the carrier and the receiver.

Ruger Industries will not be responsible for loss or damage when you give the transportation company a clear receipt.

Inspect this material before accepting. DO NOT accept when damage or shortages are visible unless the carrier makes a damage notation on your freight bill.

Look for and report concealed loss or damage to carrier with **48 hours** and request inspection by the carrier. This is absolutely necessary; otherwise, the transportation companies will not entertain any claim for loss or damage. If the carrier will not make an inspection, then you should make an affidavit that you notified him/her (on a certain date) and he/she failed to do so. This, with other papers, will properly support your claim.

Ruger Industries is willing to assist in every possible manner in collecting claims for loss or damage, but this willingness on Ruger's part does not include responsibility for collection of claims or assumption of cost of replacement of damaged or lost materials.

# RECEIVING PROCEDURES

## BEFORE ACCEPTING DELIVERY FROM THE CARRIER

In accepting this shipment from Ruger Equipment, Inc., the carrier has acknowledged receipt in good condition and complete as shown on the packing list and/or Bill of Lading.

### Receiving Inspection Checklist

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- Wheels and Casters- they should turn freely and be free of dents, cracks and flat spots.



- Hoses, fittings and rams for hydraulic leaks. Hydraulic leaks indicate loose or broken fittings, hoses etc. Hose and tubing should be free of kinks and buckles.



- Main frame components, legs, forks, booms, handles and sheet metal for dents, cracks and misalignment.



- Wiring to assure it is securely connected and in good condition.



- Batteries for cracks and/or leaks. Check electrolyte level.



- Main structure bolts, nuts and pin retainers for tightness.



- Chains and cables for breaks or obstructions.



- Visual inspection, make operational test to assure unit is functioning properly.



- Is everything there? Check packing list to make sure optional equipment is there. Make sure lifting chain is with crane. Be sure manual pump handle is there.



- Paint finish- scratches and scrapes to painted surfaces incurred during shipment are accepted as necessary evil. Costs of protective crating to protect paint are so high that it's better to accept a few scrapes to the finish.

# RETURNED GOODS AUTHORIZATION

**RETURNED GOODS AUTHORIZATION** number must be assigned by the Ruger customer service department for approved returns. This number must appear on all accompanying paperwork.

When calling for a **RETURNED GOODS AUTHORIZATION** number, the following information must be supplied:

- 1) Invoice Number***
- 2) Date of Invoice***
- 3) Serial Number***
- 4) Carrier Name***
- 5) Return Ship Date***
- 6) Reason for Return***

CREDIT WILL ONLY BE ISSUED AT THE TIME OF RETURNED GOODS AT THE FACTORY

There will be a restocking charge for all returned purchases. Customized units are not returnable and are non-refundable.

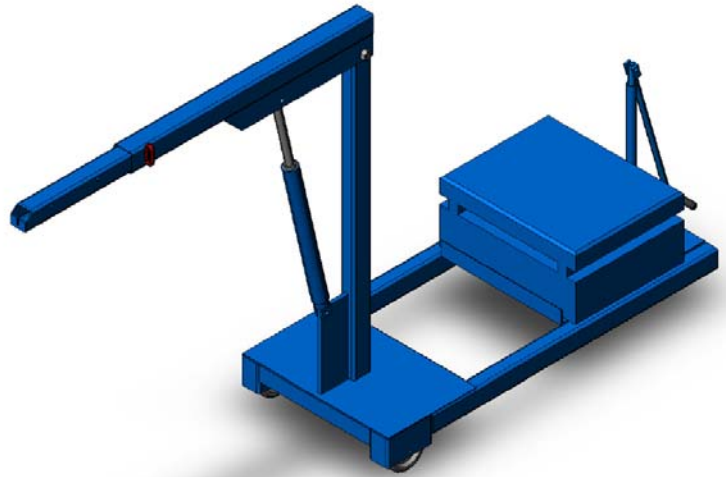
**Packing slip must accompany all returns.**

**RECEIVING DOCK DELIVERIES  
MONDAY THROUGH FRIDAY  
8:00 AM TO 4:00 PM EST  
EXCEPT HOLIDAYS**



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## **Ruger® HP1500R**



### **HP1500R**

- 1500 lb. Capacity
- Reversed based allows for easier access to loads

#### **OPTIONAL ACCESSORIES**

- Floor Lock - Direct Bolt-On
- Polyurethane Wheels - Direct Bolt-On
- Phenolic Wheels - Direct Bolt-On
- Power-Pak - Direct Bolt-On AC/DC Operated Hydraulic Lifting
- Swivel Boom - Limited Swing Motion Design
- Manual Hand Winch - Rated for Lifting Design
- Power Assist – DC Operated Drive Unit Attachment Design

**Meets ASME PALD standards  
for shop cranes.  
Conforms to ANSI Z535 standards.**

#### **Standard Features**

- Meets Ruger's structural engineering standards for 150% of rated lifting capacity
- Counterbalanced units are built to exceed 125% stability factor
- Double action manual hand pump operation
- Built-in hydraulic overload relief valve
- Needle type release valve permits pin-point control over lowering and holding of the heaviest or lightest loads
- Adjustable built-in telescopic boom
- Steel wheels with sleeve bearings
- Swivel hook with safety latch
- Steel construction & standard Ruger blue paint

Prices, specifications, and options are subject to change without notice. All Ruger products are shipped F.O.B. Streetsboro, OH 44241

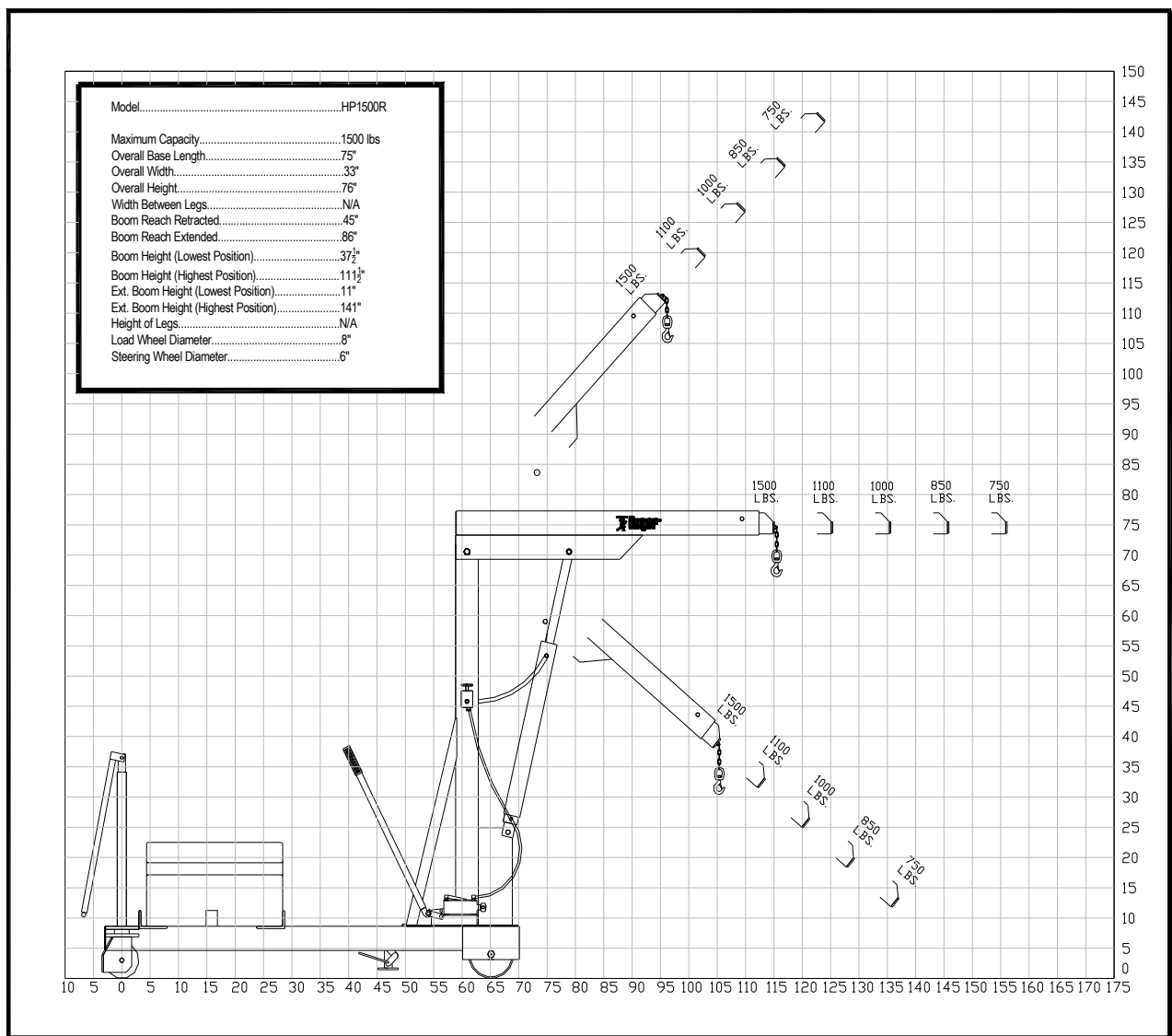


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## **MODEL: HP1500R**

Load Capacity 1500 lbs

**Figure 1**



*Designers & Manufacturers of Hydraulic Load Lifting and Material Handling Equipment*



# PREPARING FOR OPERATION

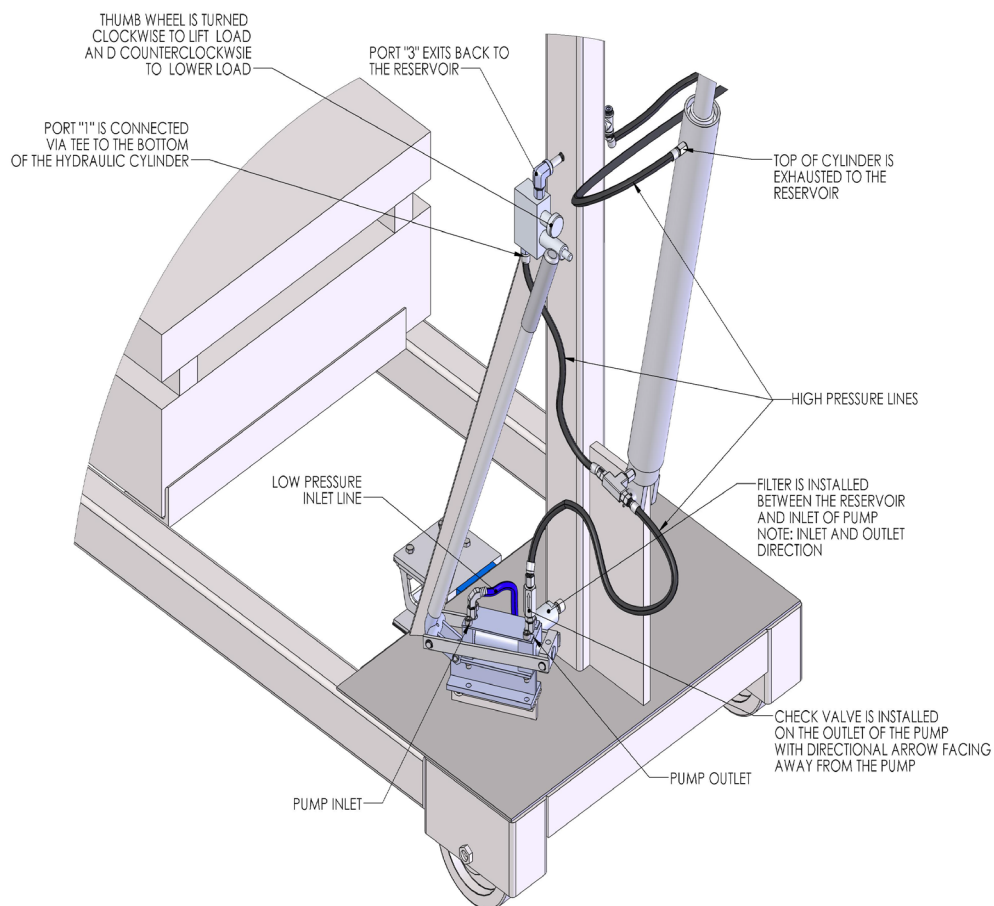
**CONSIDER THE OPERATION.** Do not begin until you are sure you can perform the entire operation without hazard.

**INSPECT ALL COMPONENTS** of the system.

**OPERATORS MUST** be in good health, alert, thoroughly trained in operating the equipment, and properly clothed (hard hat, safety shoes and safety glasses, no loose clothing).

**THE LOAD** must be clear of other objects and free to move. Make sure the load will not tip, spin, roll away, or in any way move uncontrollably.

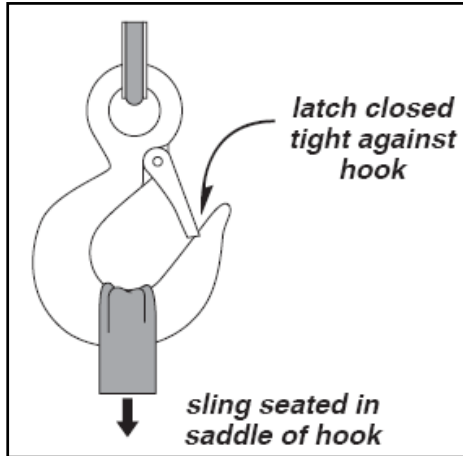
**KNOW YOUR LOAD** and make sure you do not exceed the load rating of the winch or any other equipment in the system.



## PREPARING FOR OPERATION

### Attaching the Load

Figure 4



CLEAR OBJECTS from the path of the load so you can move it freely and observe it at all times during the operation.

ATTACH THE LOAD using a nylon sling, or other approved lifting device. Follow the recommendations of the sling manufacturer.

SEAT THE SLING in the saddle of the hook with the hook latch completely closed.

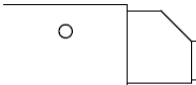




CENTER THE LOAD on the hook so it will remain balanced and not tip or rotate to one side.

Refer to Figure 4

## **! WARNING**

EXCEEDING CAPACITIES SHOWN MAY RESULT IN LOSS OF LOAD, DAMAGE TO SHOP CRANE, AND/OR FAILURE RESULTING IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.

### **BOOM EXTENSION CAPACITIES-LBS.**

ST'D POSITION	1st POSITION	2nd POSITION	3rd POSITION	4th POSITION
				
1500	1100	1000	850	750

CRANE MODEL N° HP1500R

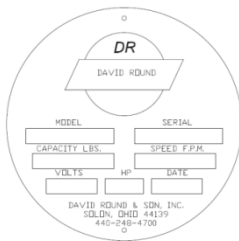
Ruger Industries, A Division of David Round  
Streetsboro, Ohio 44241  
USA

211739

# MAINTENANCE INSTRUCTIONS

**Note:** There is an overload relief valve built into the hydraulic system of every new Ruger Crane. This safety valve is set at the factory, under measured loadings, and opens at approximately 10% over the rated capacity. This prevents overloading of the crane.

**IF THE CRANE FAILS TO HOLD OR LIFT ITS RATED LOAD, REMOVE THE CRANE FROM ALL SERVICE WORK. Contact the factory Customer Service Department at (330) 656-1600.**



When calling the factory, please have your Model and Serial Number ready, so we may better serve you.

## **EVERY TIME USAGE-**

Check the **Hydraulic Cylinder** for any possible signs of hydraulic fluid leakage.

Check **Chain & Hook Assembly** for any possible signs of uneven wear

## **WEEKLY-**

Check hardware (**Pins and Bolts**) & **moving parts** for excessive wear.

## **MONTHLY-**

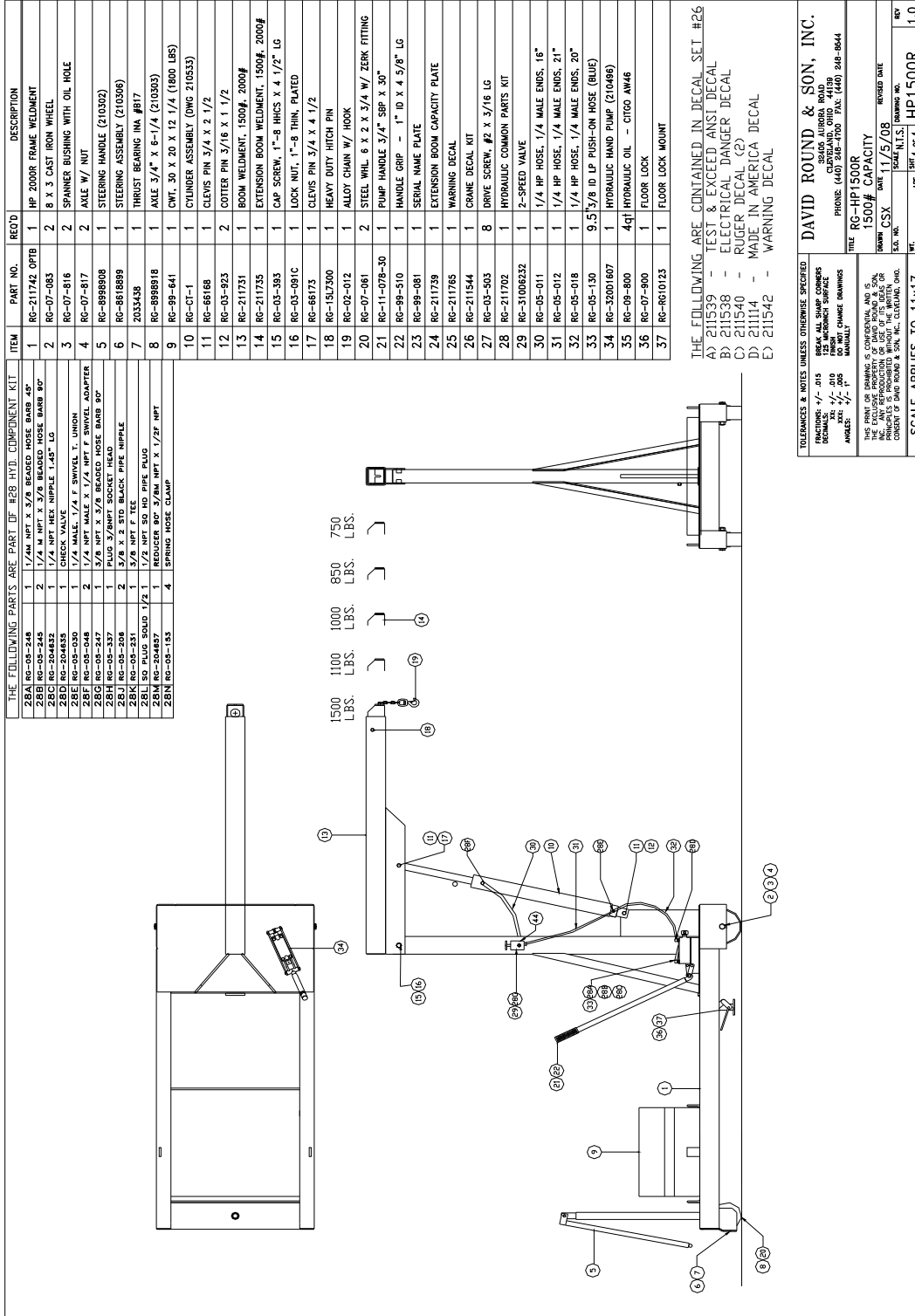
Check the **Wheels & Casters** for excessive wear or uneven travel

## **QUARTERLY-**

Check all welded joints.

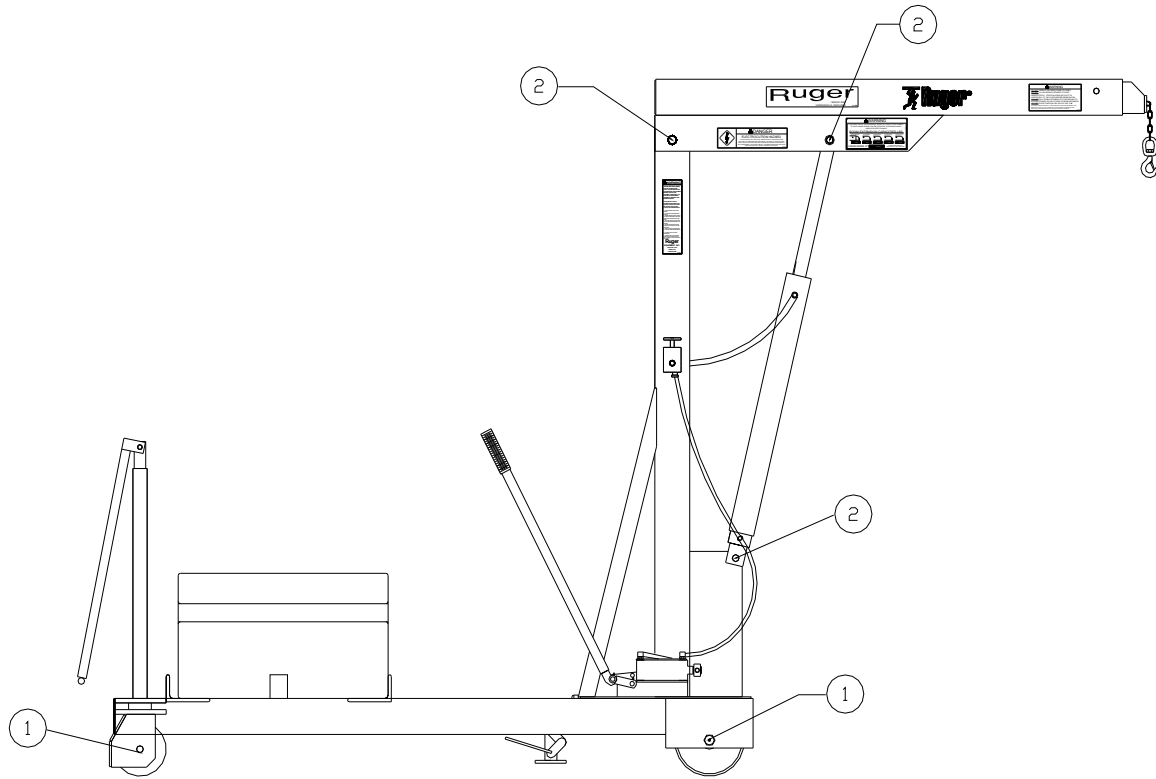
## FRAME REPAIR PARTS

**Figure 5**



# CRANE LUBRICATION

**Figure 6**



ITEM	DESCRIPTION	LUBRICANT	WHEN
1	Casters & Wheels	Chassis Lube	Grease Monthly
2	Pivot Locations	Chassis Lube	Apply A Few Drops Weekly

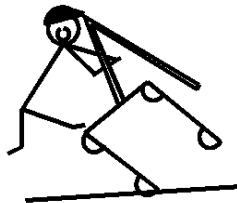
# SAFETY TIPS FOR USING RUGER CRANES

## Operator

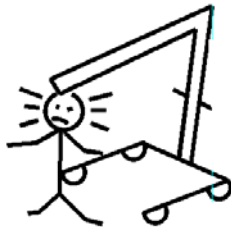
- Safe operation of this equipment is your responsibility.
- **NO PERSON** shall operate this crane unless they have received instructions for its proper use from a qualified person and have completely read the operators manual.



- When more than one person is involved in the operation of the crane, one person should supervise and give all orders, to avoid confusion and to promote safety.
- Obey plant safety rules; obey a stop signal from anyone.
- Refuse to handle loads until safety has been assured.
- Test the stability of the system before using. Adjust if necessary.

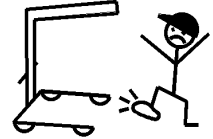


- Always transport loads as close to the floor as possible.
- **DO NOT** exceed load ratings of other components in the load lifting system cables, slings, etc.
- Never leave a raised load unattended.
- Never walk, stand or work under a raised load.
- Keep hands away from load bearing chains, cables and slings while operating.



- Make sure load clears nearby stockpiles, machines or other obstructions when raising, lowering or moving the load.
- Make sure load is totally disconnected from any fasteners before lifting and transporting.
- Avoid sudden acceleration or deceleration of the crane. **DO NOT** make sudden sharp turns while moving the crane, loaded or empty.

- Keep hands and feet clear of crane base and wheels. Also, in facing away from crane while pulling, maintain distance to prevent crane from rolling into your own heel.



- Use standard hand signals when operating with other persons. Make sure all concerned understand signals to be used.

- Make sure floor area over which the crane travels is level and free from debris and other materials that may interfere with normal crane travel.



- Use caution when working near electrically charged lines or equipment.

- **DO NOT** use your crane to lift more than its rated load. Load ratings are based on new equipment. Age, wear, improper maintenance, and improper use will reduce load ratings.

- **DO NOT** continue operation of a crane damaged by misuse or overloading.

- Never use two or more cranes to lift a load greater than the capacity of a single crane - a shifting load may place entire load on one unit.

- Apply the load evenly, do not jerk or bounce or allow the load to swing. Avoid violent motion and shock loads.

## People

- **DO NOT** lift or lower people or things over people with this equipment.

# WARRANTY

We warrant that our standard products will be of good merchantable quality, free from defects in material and workmanship, and will conform to the characteristics represented by us for:

1 Year	On hydraulic seals, wiring and hoses.
1 Year	On contactors, drive units, motors, hydraulic rams, pumps and valves
1 Year	On all other parts

Subject to the following terms and conditions:

- (1) The products have not been misused, abused, neglected or damaged in any way, or operated in a manner inconsistent with our stated purpose and applicable instructions for use whether given before, at or after sale including any provided mailings to you or posted on our web site at any time and subject to change without notice.
- (2) The products have not been altered, serviced, upgraded, or changed in any manner except by us.
- (3) The products were not damaged in shipping, or thereafter in used or storage.
- (4) Proper maintenance has been performed on the products on a regular basis per the standard schedule.
- (5) Regular inspection and testing by us has occurred per the standard schedule and fees which under no circumstances will allow for inspection and testing on intervals greater than every 2 years.
- (6) The products are not for rental use.
- (7) Notice is given to us within three business days of discovery of noncompliance of the product.
- (8) The products have not been sold, leased or otherwise transferred out of title and control of the original purchaser.

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If all of the above terms and conditions are met, and a product does not comply in our sole judgment with the warranty during the warranty period, we will repair or replace it in our sole discretion at our cost which is limited to our standard labor and materials costs, and shipping or travel costs if needed by non-expedited means. It is understood that this warranty is in lieu of and excludes all other warranties, express or implied, including any warranties extending beyond the description on the face of this document and including any warranties of merchantability or fitness as provided under operation of law, and that our sole liability hereunder is expressly limited to the repair or replacement of the products not complying with the warranty.

If any one of the above terms and conditions are not met, the warranty is void and unenforceable.

We are not liable under any circumstances for special, indirect, incidental, consequential or punitive damages of any nature including, but not limited to, loss of profit, delays or expenses, and under no circumstances shall our liability under this warranty ever exceed the actual purchase price paid for the products. We do reserve the right to make changes or improvements to any product including as needed during a repair or replacement, or as arise from any inspection or testing.

# WARRANTY

The **OBJECTIVES** of the Ruger warranty and its administration are:

**FIRST** – To get the customer's equipment into satisfactory operation.

**SECOND** – To determine a fair cost for accomplishing the above.

**THIRD** – To establish who should pay for the repair:

The **CARRIER**, who accepted the equipment in normal working condition and delivered it in damaged condition.

The **CUSTOMER**, who may have brought about the failure because of misuse, abuse, neglect of maintenance, or wear of a consumable material not covered by warranty.

The **DISTRIBUTOR**, who may have made a bad choice of equipment or model for the job.

The **MANUFACTURER**, when there is a problem in materials, assembly or design.

Upon delivery of a new piece of equipment, here is a series of useful steps to be taken by the distributor or customer to help prevent or reduce difficulty in event of future warranty claims. These steps are not the responsibility of the manufacturer. The suggestions are made to help eliminate avoidable problems and do not enlarge or reduce the customers rights under the standard Ruger warranty.

## **BEFORE** Product is placed in service:

Included with the equipment is a receiving inspection check list. Do not relinquish your rights to claim for "CONCEALED DAMAGES" until this check list has been completed.

The section in the OPERATOR'S MANUAL which covers steps to be taken before placing the equipment in service should be followed.

The equipment should be cycled through all its functions several times.

It should be verified that the equipment will do the job for which it was ordered for.

**If a problem occurs with a Ruger product, the ideal solution will be the equipment back into service promptly with costs of the repair paid by the appropriate party – the carrier, customer, distributor, factory or some combination of these.**



# WARRANTY

In the event investigation of a service problem by the distributor discloses that the correction should be at the customer's expense because of misuse or neglect, the customer should be notified of this before repair work begins and the distributor should bill the customer directly.

If the problem is the fault of the carrier (damage in transit), or the distributor (misapplication of the product), costs of repairs should be billed to and honored by them directly.

When factory compensation appears justified, the factory maintains sole final discretion to determine if the malfunction is covered under the terms of the warranty. In this situation, the distributor or customer has the choice of:

1. Proceeding with repairs and submission of invoices for factory payment or credit, relying on the fairness of Ruger's service people to back up the customer, the distributor and the equipment to the maximum responsible limit subject to the terms of the warranty itself, or....
2. Solicit factory approval before incurring any costs at all. In this case, the distributor or customer should get all preliminary details possible and call the **FACTORY SERVICE DEPARTMENT** at **330-656-1600**. In this way, a preliminary diagnosis and factory commitment can be obtained on ceilings for travel, labor, parts, and freight. Thus, the distributor knows where he stands with the factory and needed parts can be sent off. If the factory authorizes the supply of parts under warranty by the distributor from its own stock, they should be invoiced.

Prior factory approval is **REQUIRED** when:

1. Non-factory parts are being invoiced to the factory.
2. Shipping charges out on replacement parts are being paid by the factory.
3. Field assistance is being furnished at customers' expense.
4. Warranty claims are to be deducted from Ruger invoices.

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*Designers & Manufacturers of Hydraulic Load Lifting and Material Handling Equipment*

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