

# **RAMROD EQUIPMENT DIVISION, LEON'S MFG. COMPANY INC. INDUSTRIAL WARRANTY POLICY**

## **RAMROD EQUIPMENT LIABILITY WARRANTY**

RAMROD EQUIPMENT DIVISION, LEON'S MFG. COMPANY (Hereinafter referred to as the "Company") warrant each new Ramrod Mini Skid Loader sold by the Company to be free from manufacturing defects when used in normal service for a period of 3 years structural warranty on machine frame and arms - a 2 year manufacture's engine warranty and 1 year warranty on all other components, commencing with delivery to the original user, if operated according to manufacturer instructions and by a competent and careful operator. New Ramrod Loader Attachments for use on a Ramrod Loader, are warranted for a period of six (6) months commencing from date of delivery to the original user. This warranty shall not apply to the loader or any part thereof which has been subject to misuse, negligence, alteration, or accident or which shall have been repaired outside of an authorized Ramrod Dealer place of business.

The Company's obligation under this warranty is expressly limited to replacement or repair at a designated Ramrod Dealer, of such parts which in the opinion of the Company have been defective. The Company shall not be liable for consequential labour costs or transportation or repair of defective parts.

This warranty to repair applies only to new and unused Ramrod Mini Skid Loaders which after shipment from the factory have not been altered, changed, or repaired, in any manner whatsoever and does not extend to trade accessories though sold or operated with the Company's loader. Trade accessories such as, but not limited to, engines, tires, batteries, hydraulic pumps and hydraulic motors are subject to the warranty of their respective manufacturers.

The Company and/or its authorized Ramrod Dealers shall not be liable for consequential damages or contingent liabilities for the fitness of any Ramrod Mini Skid Loader for any particular purpose.

This warranty is expressly in lieu of any other express or implied warranty, condition or guarantee of this Ramrod Mini Skid Loader or any part thereof, including any implied warranty or condition of merchantability or fitness and of any other obligations on the part of the Company or the selling Dealer.

No representative of the Company has authority to change this warranty in any manner whatsoever and no attempt to repair or promise to repair or improve the Ramrod Mini Skid Loader covered by this warranty by any representative of the Company shall waive or change or extend this warranty in any manner whatsoever.

**N.B. READ AND PRACTICE YOUR RAMROD MINI SKID LOADER OPERATING AND SERVICING INSTRUCTION, FAILURE TO DO THIS MAY VOID YOUR WARRANTY.**

## POLICY LIMITATIONS

The intent of the warranty policy is to cover only repairs made necessary due to defects in material or factory workmanship and not failures caused by wear, application, environment or negligence.

This warranty does not cover:

- A) Conditions resulting from misuse, negligence, alterations, accident or lack of performance of required maintenance services.
- B) Oil changes, lubrications, filter changes and other similar service operations are considered normal maintenance.
- C) Pivot pins, tires, chains and other similar repairs which are considered normal wear items.
- D) Trade accessories such as engine, batteries, tires and other items not manufactured by Ramrod are guaranteed by their respective manufacturers
- E) Attachments not manufactured by Ramrod are warranted by their respective manufacturers.
- F) External cleaning of machines for repair purposes.
- G) Time required for the diagnosis of malfunctions.
- H) Travel time of mechanic, mileage, or hauling expense.
- I) Pre-delivery Inspection including adjustments.
- J) Loose bolts, nuts, or fitting due to over tightening or vibration after 30 hours of operation.
- K) Problems in the fuel system caused by water or dirt.
- L) Cooling system problems caused by air flow restriction.

## WARRANTY POLICY GUIDE

This Warranty Policy Guide has been developed to assist the dealer in building customer loyalty to the dealer and the product lines when a warranty situation occurs. The purpose of this Guide is to explain the responsibilities of both the dealer and Ramrod in resolving the warranty with the retail customer. Both the dealer and Ramrod are engaged in a partnership to build customer satisfaction through the excellent service to the retail customer. The goal is to strengthen the reputation of both the dealer and Ramrod in the customer's view. The customer will tell others of their satisfaction, or dissatisfaction, that resulted from the warranty process.

The Warranty Policy Guide is designed to aid dealers in promptly addressing customer's request in a prompt and consistent manner.

With a working knowledge of the procedures outlined in this manual, and the technical ability to determine the reason for repair or replacement, warranty claims can be handled efficiently, courteously and promptly.

## 1. The Purpose of Warranty

Warranty assures the purchaser that should a defect in material or workmanship occur during the warranty period, Ramrod will assume specific repair responsibilities, as listed in the warranty statement. The warranty statement is to be provided to each purchaser of each piece of new equipment. Warranty begins on the date the product is delivered to the original purchaser of the product. Once the warranty period has begun, it cannot be stopped or interrupted.

## 2. Dealer Responsibilities

The following responsibilities are to be performed when the dealer delivers a product to the purchaser or otherwise places it into warranty service: ***(Failure to comply with any of these Responsibilities will result in denial of claim.)***

1. Complete the Warranty Registration Form and forward to Ramrod within 30 days of the sale of the product. Warranty reimbursement is contingent upon product registration.

2. Review warranty statement, operator's manual and complete delivery report with purchaser to assure understanding of purchaser's responsibilities as related to warranty, service and the proper and safe operation of the product. Purchasers should be advised to have failed parts repaired or replaced immediately upon failure and that continued use will result in additional damage and excessive wear.

3. Contact Ramrod prior to beginning repair or replacement of failed parts to make certain that the cost of repairs are consistent with the value of the product when sold. Warranty requests for units in dealer's inventory may be submitted to Ramrod when defects are noted in products prior to the retail sale of that unit.

4. Provide warranty and service repairs as directed by Ramrod Service Repair Bulletins or other instructions.

5. All warranty work must be completed within 30 days of failure. Notify Ramrod's Warranty Department if repairs will require more than 30 days after failure for an extension. No claim will be accepted for warranties that exceed this 30 day period.

6. No warranty will be allowed on units delivered to the retail customer prior to the full payment of that unit Ramrod by the dealer.

## 3. Ramrod's Responsibilities

1. Reimbursement for parts used in warranty repair will be credited only when the parts are purchased from Ramrod. Parts will be credited at dealer's net cost, plus 10%. No warranty will be allowed on parts that are past due.

2. Dealer should use parts from their parts inventory first. In the event that parts must be shipped from Ramrod, freight will be paid by the dealer and will be shipped by the most economical means to arrive in the shortest possible time. Air, Next Day Air, Priority and other special shipment methods requested by the dealer will be at customer's cost.

3. Warranty Labour Reimbursement for Labour expense to the dealer is made by payment of up to \$65 per shop hour or as regulated by state statutes. Repair times will be reviewed by Ramrod and may be adjusted to average repair time required by other dealer to make similar repairs. Labour is not paid on the warranty associated with repair parts purchased by the retail customer that are used on a product that is not currently in warranty time frame.

4. Reimbursements for repairs made by outside sources (not dealer personnel) will be made for those services deemed necessary for the resolution of the warranty by Ramrod's Warranty Department. Outside repair invoices must have prior approval from Ramrod's Service Department and must be attached to the warranty claim after approval.

#### **4. Other Warranty Provisions**

The following guidelines are to be followed when performing warranty repairs:

1. In all cases, the most economical repair should be performed unless otherwise directed. Credit will not be allowed for assemblies, or groups, if it is practical to make the repair with individual parts. In some cases, the assembly, or group price may be less than the total of the parts and labour required to complete the repair. In those cases, an assembly, or group, may be used.

2. Only those parts provided by Ramrod are covered under Warranty. The use of parts from other sources will not be eligible for warranty consideration.

3. All parts removed during warranty repair should be held for a period of 60 days after the warranty claim has been submitted to Ramrod or until:

- a) Their return is requested by Ramrod, or
- b) Parts are inspected by the District Manager or an Authorized Ramrod Representative, at which time they must be scrapped.
- c) Warranty credit is received at which time they must be scrapped.

Parts awaiting disposition should be clearly tagged with the following information:

- a) Warranty Claim Number
- b) Part Number
- c) Defect

When the return of parts is requested, the following procedure is to be followed:

- a) Ensure that the parts are tagged properly and properly packaged.
- b) Ensure that the warranty claim (yellow copy) is enclosed as a packing slip.
- c) Ship parts PREPAID to:

**Ramrod Equipment  
Warranty Department  
\*Return Authorization No.  
135 York Road East  
PO Box 5002  
Yorkton, SK  
S3N 3Z4  
Canada**

*\*This number will be supplied with the request to return parts and must be included in the shipping address.*

Failure to return parts within 60 days of the request will render the particular claim void.

All parts returned for warranty consideration without prior authorization, or without the Warranty Parts Evaluation Department's Return Authorization Number clearly marked on the package, shall be returned, unopened, freight collect, to the sender.

Any parts whose failure results in personal injury or property damage should be so tagged and the Ramrod Service Manager should be contacted immediately for instructions.

4. Ramrod reserves the right to deny or reverse any and all warranty claims for parts, labour, or miscellaneous charges when errors are found or warranty provisions are abused or fraudulent claims are submitted.

5. Warranty reimbursement is not possible:

- a) If parts returned are not cleaned and properly identified, or if they are damaged in returned shipment.
- b) When failure falls under the "limitations" as identified in the Warranty Statement.
- c) When Ramrod has requested the return of certain parts, assemblies or information and has not received material within 30 days of date posted on return request.
- d) On claims due to damage or shortage that are obviously the responsibility of dealer or the delivering carrier.
- e) On entire claim when warranty policy and provisions are not followed.

All dealers will warranty their technician's work to the purchaser and will indemnify Ramrod for such claims.

## 5. Service Bulletins

Service bulletins will be issued when necessary to alert dealers of special repairs. Each Bulletin will give detailed directions and procedures to complete the service.

## 6. Procedures For Completion Of Warranty Form

1. Dealer number, name and address - *record number, name and address of dealership who has performed warranty repairs and requests reimbursement.*
2. Customer name, address and telephone number - *record name, address and telephone number of original purchaser of the warranted product.*
3. Purchase Date - *date when product was delivered to customer.*
4. Serial Number - *record the serial number of the machine on which repairs were performed.*
5. Failure Date - *record date when failure occurred.*
6. Model - *record model name or number.*
7. Hours Used - *record number of hours the product was used prior to failure. If hour meter is not available please estimate hours as close as possible.*
8. Dealer Signature - *Signature of dealer, or dealer's representative, verifying repairs are complete.*
9. Parts Required - *record all service parts used to make necessary repairs. Include quantity, verifying repairs are complete.*
10. Labour Hours - *record time taken to perform repairs. (Repair time ONLY - Travel time is not allowed.)*
11. Labour Rate - *record your normal retail shop rate or the rate specified in Warranty Policy, whichever is less.*
12. Total Labour Amount - *multiply hours X rate to get total labour expense.*
13. Total Parts - *total list price of parts used.*
14. Dealer Comments - *please record a brief description of failure and probable cause.*

## 7. Use of Photos

Pictures should be attached to the dealer's claim when their inclusion will help identify the condition of the part being repaired or replaced, and thus assisting in approval of the claim. In many cases, the use of photos may eliminate the need to return parts for evaluation. Photos will not be returned unless specifically requested.

## **8. Delayed Warranty Repairs**

Warranty repairs should be scheduled and performed as soon as possible after notification of dealer and Ramrod. There may be circumstances that require the use of the product for a short period of time by the retail customer or the availability of repairs necessary to complete the repairs will require the work to extend past the 30 day period. In those cases, the dealer must notify Ramrod in writing of the extenuating circumstance and advise that the continued use of the product will not enlarge the warranty claim. These claims will then be processed as if the product is still within the warranty period.

## **9. Denied Claims**

Dealers will be notified of a denied claim in writing that will state the reason for the denial. The dealer has the right to appeal this claim and must do so within 30 days of notification of denial. If there has been no appeal within the 30 day period the claim will be considered closed.

## **10. Engine Warranty And Registration**

The engines installed in Ramrod equipment are not warranted by Ramrod equipment. Please review the Engine Manufacturer's Warranty for the unit in question.

## **11. Hydraulic Warranty**

Hydraulic components supplied by and used on Ramrod Equipment, but not of Ramrod products' manufacturing are limited to the warranty, if any, extended by the original manufacturer. However, Ramrod Equipment will provide such information as is required and available to facilitate the users claim to such manufacturer.

## **12. Spare Parts Warranty**

Spare parts supplied by Ramrod Equipment for use on Ramrod Mini Skids are warranted for a period of ninety (90) days or the remainder of the Mini Skids warranty whichever is greater.

This warranty applies only to new, unused parts installed by an authorized Ramrod Dealer. When applying for spare parts warranty, attach proof of the purchase with the warranty claim.

**13. Pre-Delivery Inspection**

When a machine is delivered, goes into rental, or is used as a demonstrator, a PRE-DELIVERY INSPECTION must be performed on each unit. A PRE-DELIVERY INSPECTION FORM is shipped with each new loader to aid in the service. Upon completion of the PRE-DELIVERY INSPECTION, the first copy of the form is to be returned to Ramrod Equipment, to the attention of the Service Department. Warranty claims will not be accepted for any delivered, rental or demonstration machines unless the PRE-DELIVERY INSPECTION report is on file.

**RAMROD MINI-SKID LOADER**  
**DEALER PRE-DELIVERY INSPECTION AND SERVICE REPORT**

OWNER: \_\_\_\_\_ DEALER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

MODEL: \_\_\_\_\_ SERIAL NO: \_\_\_\_\_ DATE: \_\_\_\_\_

ENGINE NO: \_\_\_\_\_ HOUR METER READING: \_\_\_\_\_ (if applicable)

<u>ITEM</u>	<u>REMARKS</u>
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1. ( ) Check engine oil level.
2. ( ) Check hydraulic oil level.
3. ( ) Check battery fluid level & connect cables.
4. ( ) Check air cleaner.
5. ( ) Grease/lubricate attachment pivot points.
6. ( ) Check all wheel bolts for tightness ( 80-90 ft. lb. torque).
7. ( ) Check tire pressure if applicable.
8. ( ) Check drive chain adjustment if applicable.
9. ( ) Check for loose or missing bolts, nuts, and cotter pins, etc.
10. ( ) Visually inspect all hydraulic connectors for leaks.

Inspection Performed By: \_\_\_\_\_ Title/Position: \_\_\_\_\_  
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## 14. Flat Rates

Flat Rate Times have been prepared for use filing warranty claims, estimating repair times, and for assisting in measuring shop efficiency.

Times listed take into consideration, diagnostic time, cleaning of the area or component to be serviced, access time, i.e. Shield removal and reinstallation, as well as preparing the proper tools for the service to be performed.

### Definition of Terms

R & R - To remove and reinstall the same part or a new part for replacement.

Adjust - To make adjustment using necessary tools/instruments to restore to the normal operation condition.

Check - To check part, as necessary, for an functional defects visually or with measuring instruments.

Change - To replace lubricants and coolant.

<b>FLAT RATE CHART (HOURS)</b>	<b>Series 550/750</b>	<b>Series 800</b>	<b>Series 900/910</b>	<b>Series 905/915</b>	<b>Series 950</b>	<b>Series 1150</b>
<b>WHEEL MOTORS</b>						
R & R Rear Wheel Motor (each)	2.5	1.5	2.5	2.5	1.5	1.5
R & R Front Wheel Motor (1)	N/A	N/A	N/A	N/A	N/A	N/A
R & R Motor Mount	N/A	1.8	N/A	0.5	1.8	1.8
<b>HYDROSTATIC DRIVE LINES</b>						
R & R High Press Line/Fitting	0.5	N/A	0.5	0.5	0.3	0.3
R & R Drain Line/Fitting	0.5	N/A	0.5	0.5	0.3	0.3
R & R Suction Line	0.5	1.0	0.5	1.0	1.0	1.0
R & R (1) Pump to Main Valve Hydraulic Hose	0.3	0.3	0.3	0.4	0.3	0.3
R & R Main Valve Hydraulic Steel Hose	N/A	0.3	N/A	N/A	0.3	0.3
<b>HYDRAULIC GEAR PUMP</b>						
Test Gear Pump Flow	0.5	0.5	0.5	0.5	0.5	0.5
R & R Gear Pump	0.5	1.5	0.8	2.0	1.5	1.5

<b>FLAT RATE CHART (HOURS)</b>	<b>Series 550/750</b>	<b>Series 800</b>	<b>Series 900/910</b>	<b>Series 905/915</b>	<b>Series 950</b>	<b>Series 1150</b>
<b>CONTROL VALVE</b>						
Test/Adj. Control Valve Pressure	0.3	0.3	0.3	0.3	0.3	0.3
R & R Control Valve	1.0	2.0	1.5	1.8	2.3	2.3
Control Valve Repair (Seal Kit)	0.8	0.8	0.8	0.8	0.8	0.8
R & R Actuator Lever	0.2	0.2	0.2	0.2	0.2	0.2
<b>SPEED CONTROL VALVE</b>						
R & R Valve (Speed Control)	N/A	N/A	0.8	0.8	N/A	N/A
Replace Seals in 6 Way Valve	N/A	N/A	0.3	0.3	N/A	N/A
<b>HYDRAULIC BOOM CIRCUIT</b>						
R & R Lift Cylinder	0.5	0.5	0.5	0.3	0.3	0.3
R & R Hydraulic Hose/Fitting	0.4	0.3	0.5	0.5	0.3	0.3
<b>HYDRAULIC BUCKET TILT CIRCUIT</b>						
R & R Bucket Tilt Cylinder	0.5	0.5	0.5	0.5	0.5	0.5
R & R Hydraulic Hose/Fitting	0.4	0.5	0.4	0.5	0.5	0.5
<b>AUXILIARY HYDRAULIC CIRCUIT</b>						
R & R Hydraulic Hose/Fitting	N/A	N/A	0.5	N/A	N/A	N/A
R & R Quick-Connect Coupling	0.3	0.3	0.3	0.3	0.3	0.3
R & R Front Auxiliary Valve	N/A	N/A	1.5	N/A	N/A	N/A
<b>HYDRAULIC OIL COOLER</b>						
R & R Hyd. Oil Cooler (if equipped)	0.3	0.5	0.3	0.5	0.5	0.5
<b>HYDRAULIC OIL FILTER</b>						
R & R Hydraulic Oil Filter	0.3	0.3	0.3	0.3	0.3	0.3
<b>HYDRAULIC OIL TANK</b>						
R & R Side Tank	N/A	0.6	N/A	N/A	0.6	0.6
R & R Level Senders	N/A	0.4	N/A	0.4	0.4	0.4
R & R Front Oil Tank	2.0	3.0	2.5	N/A	3.0	3.0
R & R Hydraulic Oil Strainer	0.4	0.4	0.4	0.4	0.4	0.4
<b>FUEL TANK</b>						
R & R Fuel Tank	0.4	0.6	0.4	N/A	0.6	0.6
R & R Fuel Level Sender	N/A	0.4	N/A	0.4	0.4	0.4
R & R Fuel Tank Shut Off	0.3	0.3	0.3	0.3	0.3	0.3
<b>AXLE ASSEMBLY</b>						
R & R Axle Assembly (includes Seal, Sprocket & Bearings)	1.5	2.0	1.5	1.5	1.5	1.5
R & R Rear Axle	N/A	0.4	N/A	0.4	0.4	0.4
R & R Axle to Axle Drive Chain	N/A	0.4	N/A	0.4	0.4	0.4

<b>FLAT RATE CHART (HOURS)</b>	<b>Series 550/750</b>	<b>Series 800</b>	<b>Series 900/910</b>	<b>Series 905/915</b>	<b>Series 950</b>	<b>Series 1150</b>
<b>CHAINS</b>						
R & R Chains (complete; one side)	0.4	0.8	0.4	0.4	0.8	0.8
R & R Motor Drive Chain	N/A	0.4	N/A	N/A	0.4	0.4
R & R Axle To Axle Drive Chain	N/A	0.4	N/A	N/A	0.4	0.4
<b>WHEEL MOTOR SPROCKET</b>						
R & R Wheel Motor Sprocket Hub	1.0	N/A	1.0	1.0	N/A	N/A
R & R Front Drive Sprocket	N/A	N/A	N/A	1.0	N/A	N/A
<b>TRACK DRIVE ASSEMBLY</b>						
R & R Front Axle	N/A	N/A	0.7	0.7	N/A	2.1
R & R Front Idler (one side)	N/A	N/A	0.6	0.6	N/A	0.6
R & R Drive Sprocket (one side)	N/A	N/A	0.6	0.8	N/A	0.6
R & R Rubber Track (one side)	N/A	N/A	0.8	0.8	N/A	0.8
R & R Track Rollers (one side)	N/A	N/A	0.4	0.4	N/A	0.4
R & R Track Tensioner (one side)	N/A	N/A	0.8	0.6	N/A	0.4
Set Track Tension	N/A	N/A	0.2	0.2	N/A	0.2
<b>GAUGES/SWITCHES</b>						
R & R Ignition Switch	0.5	N/A	0.5	0.5	N/A	N/A
R & R Hour Meter	0.3	0.3	0.3	0.3	0.3	0.3
R & R Warning Light	N/A	0.2	N/A	0.2	0.2	0.2
<b>ELECTRICAL, OTHER</b>						
R & R Battery	0.4	0.3	0.4	0.4	0.3	0.3
R & R Positive Cable	0.3	0.3	0.3	0.3	0.3	0.3
R & R Negative Cable	0.3	0.3	0.3	0.3	0.3	0.3
R & R Wiring Harness	0.3	0.7	0.3	0.5	0.7	0.7
<b>QUICK ATTACH</b>						
R & R Quick-Tach	0.5	0.5	0.5	0.5	0.5	0.5
R & R Self Leveling Link	0.4	0.4	0.4	0.4	0.4	0.4
R & R All Connex Bushings	1.3	1.3	1.3	1.3	1.3	1.3
R & R Quick Attach Pin	0.2	0.2	0.2	0.2	0.2	0.2
<b>BOOM ARMS</b>						
R & R Boom Arms	0.8	1.0	0.8	1.0	1.0	1.0
R & R Tilt Arm Assembly Pin	0.5	0.3	0.5	0.3	0.3	0.3
R & R Lift Arm Assembly Pin	0.5	0.3	0.5	0.3	0.3	0.3
R & R Connex Bushing Lift Arm	0.7	0.6	0.7	0.7	0.6	0.6
R & R Connex Bushings Tilt Arm	0.7	0.6	0.7	0.7	0.6	0.6

**FLAT RATE CHART  
(HOURS)**

Series 550/750	Series 800	Series 900/910	Series 905/915	Series 950	Series 1150
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**ENGINE**

R & R Engine	2.0	2.5	2.0	2.0	2.5	2.5
R & R Engine Love Joy Spider	2.4	2.9	2.4	3.0	2.9	2.9
R & R Engine Fuel Filter	0.2	0.2	0.2	0.2	0.2	0.2
R & R Engine Muffler	0.3	0.7	0.3	0.5	0.7	0.7
R & R Pump Coupler Mount	2.6	3.1	2.6	2.8	3.1	3.1
R & R Hyd Pump on Diesel Engine	N/A	N/A	0.8	N/A	2.5	2.5
R & R Hyd Pump Drive Belt Tensioner	N/A	N/A	N/A	N/A	0.4	0.4
R & R Hyd Pump Drive Pulley	N/A	N/A	N/A	N/A	0.8	0.8
R & R Engine Pulley	N/A	N/A	N/A	N/A	0.6	0.6
R & R Engine Pulley Drive Shaft	N/A	N/A	N/A	N/A	4.0	4.0
R & R Hyd Pump Drive Belts	N/A	N/A	N/A	N/A	0.4	0.4
R & R Diesel Exhaust Adaptor	N/A	N/A	N/A	N/A	0.6	0.6
R & R Diesel Muffler	N/A	N/A	0.3	0.3	0.3	0.3

**Frame**

R & R Side Panels	N/A	0.2	N/A	0.2	0.2	0.2
R & R Main Valve Cover Plate	0.2	0.2	0.2	0.2	0.2	0.2
R & R Front Plastic Cover Plate	0.2	N/A	0.2	N/A	N/A	N/A
R & R Aux. Mount Plate	N/A	N/A	0.4	N/A	N/A	N/A
R & R Bottom Skid Plate	0.2	0.2	0.2	0.2	0.2	0.2
R & R Front Chain Cover Plates	N/A	0.2	N/A	N/A	0.2	0.2
R & R Dash Assembly	N/A	0.4	N/A	0.4	0.4	0.4

**MISCELLANEOUS OTHER**

R & R Tire (1)	0.3	0.3	0.3	0.3	0.3	0.3
R & R Head light (1)	0.2	0.2	0.2	0.2	0.2	0.2

**ATTACHMENTS:**
**High Reach Rollover Bucket**

R & R Hydraulic Hose	0.3
R & R Hydraulic Cylinder	0.4

**Multi Purpose Bucket**

R & R Hydraulic Hose	0.3
R & R Hydraulic Cylinder (1)	0.4

**Auger Power Drive Unit**

R & R Hydraulic Hose	0.3
R & R Hydraulic Drive Motor	0.5

**ATTACHMENTS (Cont'd):****Backhoes BH 78 & BH 98**

R & R Outrigger Pins (one side)	0.2
R & R Main Boom Pins	0.3
R & R Dipper Boom Pins	0.3
R & R Bucket Tilt Pins	0.2
R & R Dipper Hydraulic Cylinder	0.4
R & R Main Boom Hydraulic Cylinder	0.4
R & R Hydraulic Hose	0.3

**Broom**

R & R Hydraulic Hose	0.3
R & R Hydraulic Drive Motor	0.5

**Curb Mover**

R & R Hydraulic Hose	0.3
R & R Hydraulic Cylinder	0.4

**Dozer Blade**

R & R Hydraulic Hose	0.3
R & R Hydraulic Cylinder	0.4

**Grapples**

R & R Hydraulic Hose	0.3
R & R Hydraulic Cylinder	0.4

**Hydraulic Hammer**

R & R Hydraulic Hose	0.3
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**Loose Material handler**

R & R Hydraulic Hose	0.3
R & R Hydraulic Cylinder	0.4

**Mini Dipper**

R & R Hydraulic Hose	0.3
R & R Hydraulic Cylinder	0.4
R & R Bucket Pins	0.2

**Nursery Tongs**

R & R Hydraulic Hose	0.3
R & R Hydraulic Cylinder	0.4

**Paving Stone Mover**

R & R Hydraulic Hose	0.3
R & R Hydraulic Cylinder	0.4

**ATTACHMENTS (Cont'd):****Snow Blower**

R & R Hydraulic Hose	0.3
R & R Hydraulic Motor	0.5
R & R Chain	0.3

**Tiller**

R & R Hydraulic Hose	0.3
R & R Hydraulic Motor	0.5
R & R Chain	0.3
R & R Bottom Bearings	0.5

**Trenchers**

R & R Hydraulic Hose	0.3
R & R Hydraulic Motor	0.5
R & R Chain	0.4
R & R Bottom Bearings	0.3
R & R Auger	0.7

**Vibratory Plow**

R & R Hydraulic Hose	0.3
R & R Hydraulic Motor	0.5
R & R Cam	0.8
R & R Cam Bearings	1.0