

**CAL-F-CMX3**

79-15290

**CAL-F-CMX3-HD**

79-15291

**Can Am Maverick X3 Front Control Arm Link Kit**

**HL**

**HIGHLIFTER**

**SEIZMIK™**

**FALCON RIDGE**

**SNORKEL  
YOUR ATV**

**SYSTEM 3**  
OFF-ROAD  
Traction. Strength. Style.

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Parts Available For These Popular Brands and Others

**POLARIS**

**can-am**



**HONDA**

**Kawasaki**



**YAMAHA**

## ***PRODUCT DISCLAIMER***

The installation of products sold or manufactured by High Lifter Products including, but not limited to suspension components such as lift kits, gear reduction lifts, frame stiffener kits, snorkels, and tires that exceed the original specifications for the vehicle, may change the vehicle's center of gravity and handling characteristics both on- and off-road. You are aware that the installation of tires that are larger than original vehicle specifications may reduce the effectiveness of the braking system. Use of these products may place added stress to the original factory vehicle components which could cause them to weaken or possibly fail.

Products sold or manufactured by High Lifter Products, Inc. are intended for off-road use only. Operation of a vehicle modified with these products on a road could result in serious bodily injury or death, and such operation may violate the laws of your state or municipality. You agree to operate your vehicle exclusively in the manner intended by the vehicle manufacturer. You agree that failure to safely and reasonably operate your vehicle could result in serious bodily injury or death, and that, as a result of installation of this product(s) to your vehicle, extreme care must be taken to prevent vehicle rollover or loss of control, which may be more likely to occur as a result of said modifications. You will avoid unsafe maneuvers, including sudden sharp turns or other abrupt maneuvers, which could make a vehicular accident more likely. You understand that High Lifter Products, Inc. is not responsible or liable for any damages or any injuries to yourself or your passengers that could occur upon possible accidents due to driver error, incorrect installations, bad judgment, incompatibility with other aftermarket accessories or natural disasters to the fullest extent allowable by law. You will have all vehicle occupants fasten seatbelts, if equipped, and wear proper safety equipment, such as DOT approved helmet and eye protection prior to operating the vehicle. You understand and acknowledge that failure to wear proper safety equipment may increase the risk of serious bodily injury or death to yourself and any passengers.

Proper installation of products sold or manufactured by High Lifter Products, Inc. requires knowledge of the factory recommended procedures for removal and installation of original equipment components. Installation of these products without proper knowledge and experience may affect the performance of these components and the safety of the vehicle and cause serious bodily injury or death. It is strongly recommended that a certified mechanic familiar with the installation of similar components perform the product(s) installation.

Prior to installing any products sold or manufactured by High Lifter Products you will perform or cause to be performed an inspection of their vehicle to confirm its condition is suitable for the installation of these products. A proper inspection of the vehicle includes confirmation that the vehicle has not been in a collision and is free of corrosion. If the vehicle is suspected to have been in a collision or misused, or is otherwise unsuitable for modification, you will not install the product(s). You will continue to inspect the vehicle prior to each use to confirm its condition is suitable for its intended use, and you acknowledge that the failure to do so may result in serious bodily injury or death, as well as damage to the vehicle itself.

You will install any warning labels provided with the product so it may be prominently seen by yourself and all passengers. You will notify all passengers of the modifications performed to your vehicle prior to operation.

Insurance companies may handle coverage of a modified vehicle differently. Please check with your insurance carrier prior to modifying the vehicle to ensure your coverage remains sufficient.

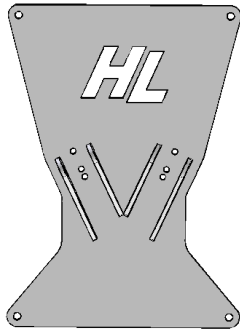
Installation of this product(s) may void your vehicle warranty. If this is a concern, please check with the manufacturer or dealer before purchase or installation of this product(s).

**High Lifter Products 7455 Atkinson Drive, Shreveport, LA 71129 - Phone: 1-800-699-0947**

# HIGHLIFTER

## PARTS DIAGRAM

### PLATES (CALBOX-F-P007-B1B1) 79-15289



**73-10550**  
Frame Mount Plate  
(1ea)



**54-61017**  
8mm x 30mm Bolt  
(4ea)



**54-60753**  
1/4" Washer (4ea)



**54-60823**  
1/2" x 2 3/4" Bolt  
(4ea)



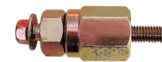
**73-10549**  
Spring Retainer (2ea)



**54-61087**  
1/2" Lock Nut (4ea)



**54-61027**  
12mm Flat Washer  
(8ea)



**54-60873**  
8mm Rivet Nut Tool  
(1ea)



**54-61280**  
8mm Rivet Nut (4ea)

### LINK BARS (PRE-ASSEMBLED) (CALBOX-AL-001-B1) 79-12141



**79-10144**  
Outer Bar  
(2ea)



**79-10140**  
Inner Bar  
(2ea)



**54-61331**  
1/4-20 x 3/16"  
Set Screw  
(2ea)



**73-10858**  
Right Hand  
Heim Joint  
(2ea)



**54-60930**  
5/8 Left Hand  
Jam Nut  
(10ea)



**79-12002**  
Left Hand  
Heim Joint  
(2ea)



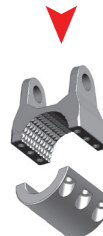
**54-60882**  
5/8" Right  
Hand Jam Nut  
(2ea)



**79-12003**  
5/8"  
Misalignment  
Bushing (8ea)

### CLAMPS (CALBOX-CC-001-B3) (CALBOX-CC-002-B3) 1.25" 1.5" 79-12144 79-12145

**79-15076**  
Clamp Collar  
Saddle (2ea)



**79-15075**  
Clamp Collar Face  
(2ea)



**54-61301**  
Socket Head Cap  
Screw (12ea)

**79-15078**  
Clamp Collar  
Saddle (2ea)



**79-15077**  
Clamp Collar Face  
(2ea)



**54-61301**  
Socket Head Cap  
Screw (12ea)

## REQUIREMENTS BEFORE INSTALLATION

- The standard 1.25" clamps require a forward arm kit with 1.25" tubing. The HD 1.5" clamps require a forward arm kit with 1.5" tubing.
- This kit will work with High Lifter Big Lift Kits, Front forward arms, HDFFA.
- Steering stops are a requirement, no matter which lift kit, big lift kit, or forward arms are used.

### REMOVING STOCK COMPONENTS

Preparation

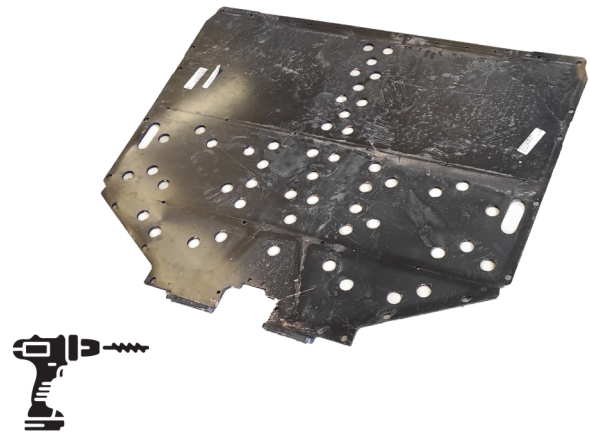
#### 1 FRONT PASSENGER SIDE

2



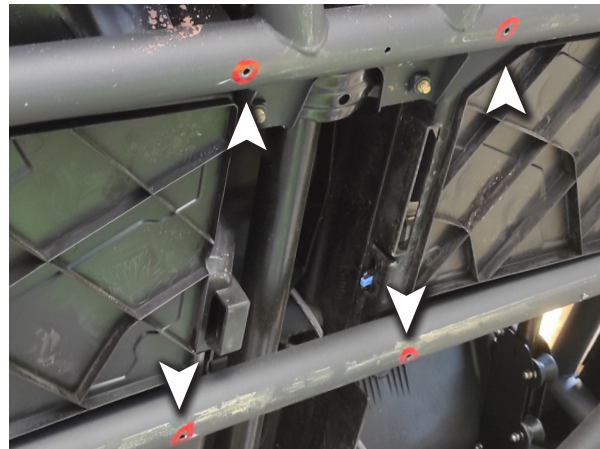
Jack the **FRONT** of the UTV up to give enough clearance to work under the vehicle.

ONCE LIFTED, USE JACK STANDS ON EACH SIDE OF THE UNIT'S FRAME TO PROPERLY SECURE IT.



Remove the factory skid plate by drilling out the rivets.

3



Fit the mounting plate to the frame and mark the holes on the frame.

4



4



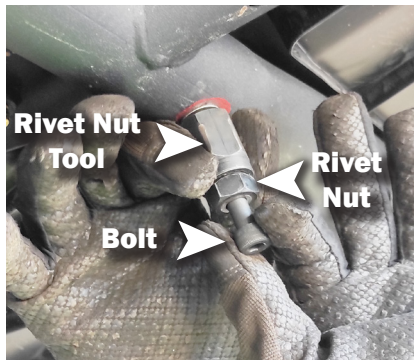
Use a 17/32" or 9/16" drill bit to widen the factory rivet holes marked on frame.



## PLATE INSTALLATION

Install

5



Insert an **8mm bolt** into the **rivet nut hand tool**. Thread a **rivet nut** onto the bolt.



Insert the **rivet nut** into the drilled hole. Use a **7/8" wrench** to hold the tool in place.



Use a **11/16" wrench** to turn the **nut** clockwise. This will secure the **rivet nut** to the **frame**. Turn until secure. Use a **6mm hex key** to loosen the **bolt** from the **rivet**.

## SKID PLATE

Preparation

6

**Note:** You have two options for the factory skid plate.

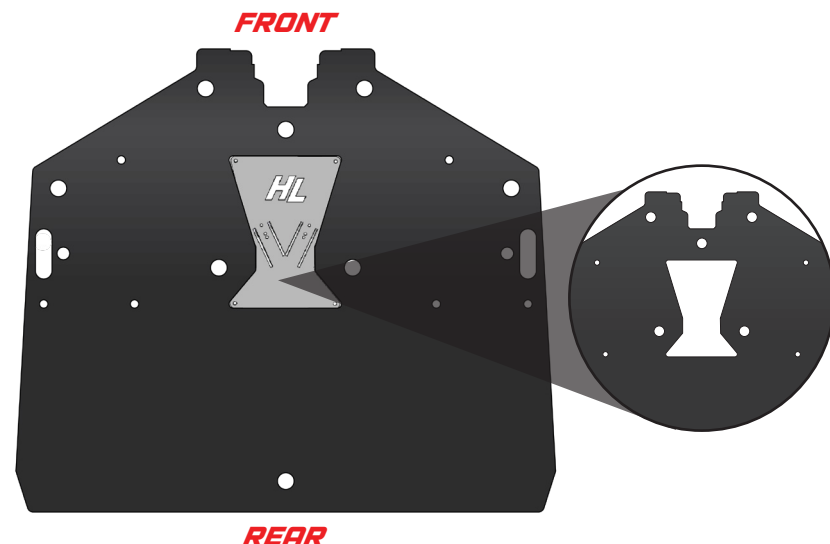
**A) Remove the factory skid plate and do not reinstall.** This is often done in mud riders.

**B) Reinstall the skid plate** by following the steps below:

Use the **frame plate (73-10550)** as a template, align the plate with the (4) holes in the center of the **skid plate**. Trace the outline of the **frame plate**.

Use an oscillating tool to cut along the outline drawn for the **control arm link plate**.

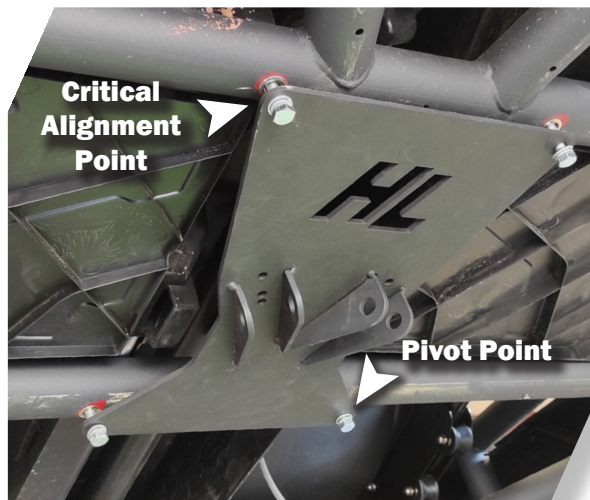
Reinstall using **3/16" pop rivets**. Use a standard rivet gun or the supplied **rivet tool** to secure them.



7



Install an 8mm lock washer and an 8mm flat washer onto 8mm x 30mm bolt. Insert the bolt through the frame plate and into the rivet nut. Hand tighten.



Align the frame plate holes with factory rivet holes.

**Note:** This next hole must stay aligned and riveted. Failure to do so will cause misalignment of all other holes.

## SPRING RETAINER

Install

8

Remove the shock from the unit.

**NOTE: YOU MUST USE A SPRING COMPRESSOR FOR THESE NEXT STEPS.**

Using the spring compressor, compress the spring on the shock to remove the components on the shock.

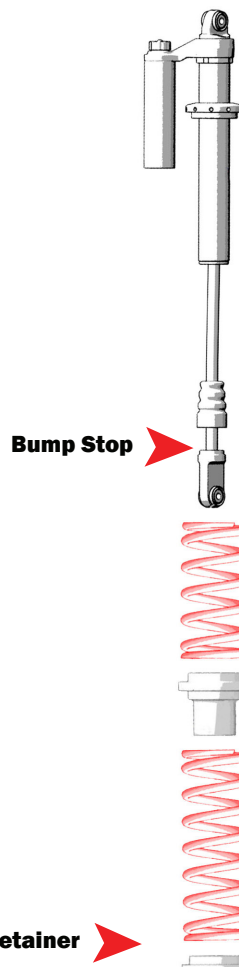
Remove the spring retainer from the end and replace with the new provided retainer.

**NOTE: MAKE SURE THE RETAINER IS INSTALLED UNDER THE BUMP STOP.**

Reassemble and secure the shock to the unit.

**NOTE:** Use a spanner wrench to run the tension out of the spring.

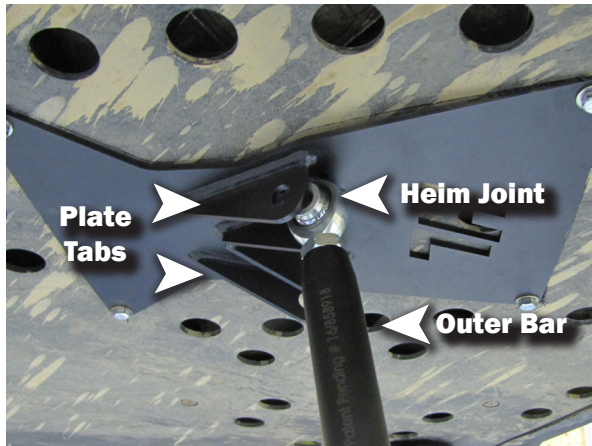
**KEEP THE SHOCK ASSEMBLED. DO NOT INSTALL AT THIS TIME. SET ASIDE TO TAKE MEASUREMENTS.**



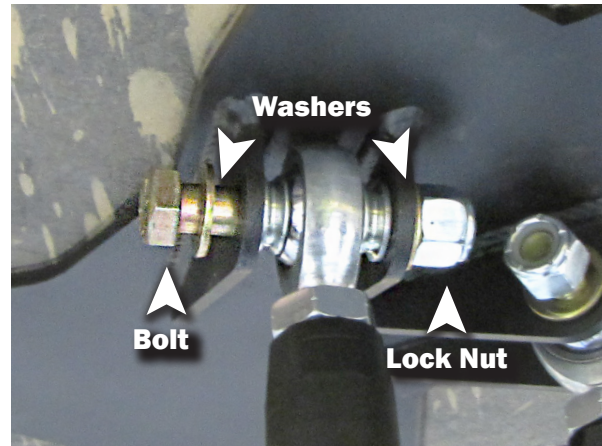
Spring Retainer



9



Connect the outer bar heim joint to the plate tabs with the 1/2" x 2-3/4" bolt and 12mm flat washer.



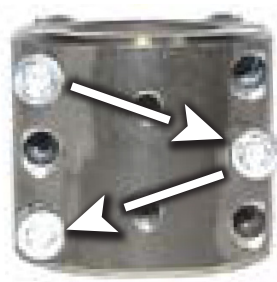
Secure the bolt with 12mm flat washers and 1/2" lock nut. Torque nut to 110lb-ft.

CLAMP COLLARS

10



Loosely secure bolts in zig-zag pattern.



Loosely connect the clamp collars onto the lower control arm. Connect it at the lowest point possible on the arm using the 1/4" - 20 x 3/4" socket head bolts.

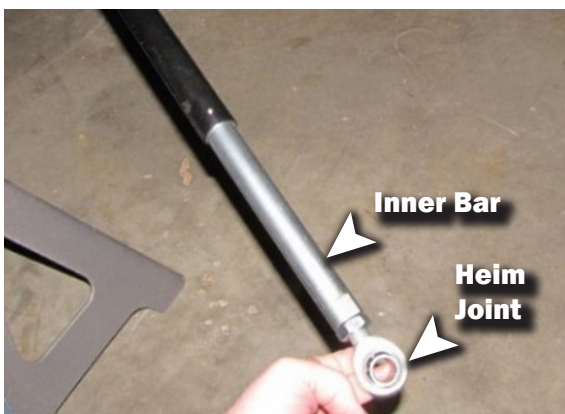
**NOTE: DO NOT TORQUE. YOU WILL NEED TO ADJUST THESE COLLARS LATER.**

Place collars as low as possible on the lower control arms to ensure they do not interfere with wheel movement or movement of the control arm bars.

**NOTE:** When the wheel is fully turned, it should not strike the bar. When the shock is fully compressed, ensure the bar does not strike the frame.

INNER LINK BAR

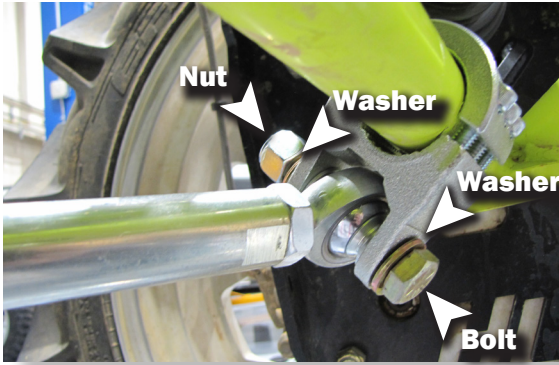
11



Adjust the inner bar so that the heim joint reaches the clamp collar tabs.

**REPEAT STEPS ON OPPOSITE SIDE**

12



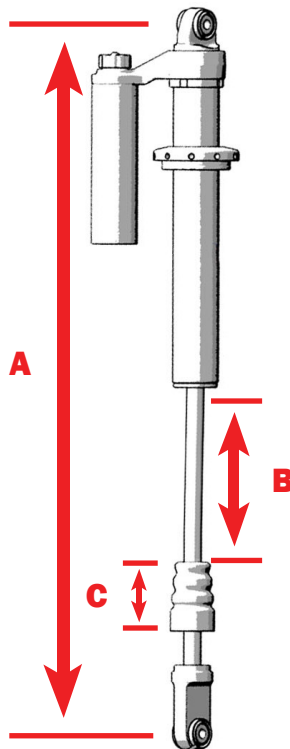
Connect the heim joint on the inner link bar to the collar on the control arm. Insert a 12mm flat washer onto a 1/2" x 2-3/4" bolt. Insert the bolt through the clamp collar and heim joint. Secure it with a 12mm flat washer and 1/2" lock nut. Torque nut to 110lb-ft.

**REPEAT ON OTHER SIDE.**

13



**IMPORTANT NOTICE: USE THE TABLE TO RECORD THE FOLLOWING MEASUREMENTS. THE SHOCK MUST BE REMOVED FROM THE UNIT FOR THESE STEPS.**



**NOTE: DO NOT remove the spring. Spring not shown to illustrate areas to measure.**

**Block A** Measure the shock length from eye to eye.

**Block B** Measure the length of the exposed shock shaft (between bump stop and shock body)

**Block C** Measure the height of the bump stop, divide it by 2.

Take the A and subtract B & C. This will equal what the shock will be at full compression.

USE THE FORMULA PROVIDED TO DETERMINE THE FULL COMPRESSED LENGTH

**$A - B - (C \div 2) = \text{COMPRESSED LENGTH}$**

POSITION	PART TO MEASURE	LENGTH
A	Shock Length	
B	Shock Shaft	-
C	Bump Stop $\div 2$	-
Total Compressed Length ----->		=



14



Lift up the **control arms** to the calculated measurement for the **shock frame mount to the shock control arm**.

Use a **jack stand** to hold the arm in place to adjust the link bar near the frame. Ensure the bar does not touch the frame.

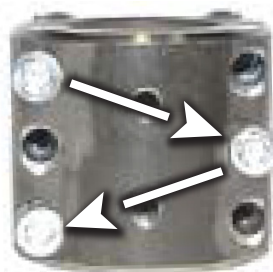


15



To achieve proper clearance from the tire and frame, adjust the link bars, slide the clamp up and down on the control arms, and rotate the collar, until proper clearance is met.

Loosely secure bolts in zig-zag pattern.



Once proper clearance is achieved, torque the **1/4"-20 x 3/4" socket head bolts** to **12lb-ft**.

**REPEAT STEPS ON OPPOSITE SIDE OF THE VEHICLE**

**16**



Once you have repeated the steps on the opposite side, place the wheels back on the vehicle and lower the jack, then inspect the vehicle.



### **HIGH LIFTER LIMITED LIFETIME WARRANTY**

High Lifter offers a Limited Lifetime Warranty to the original purchaser that our product shall be free from defects in material and workmanship for the life of the product if utilized in accordance with the manufacturer's instructions for installation and operation of said products.

#### **LIMITED LIFETIME WARRANTY EXTENDS TO THE FOLLOWING PRODUCT LINES:**

- **Lift Kits (Signature, Standard and Big Lifts)**
- **Control Arms**
- **Trailing Arms**
- **Radiator Relocation Kits**
- **Portal Gear Lifts**
- **Wheel Spacers**
- **Tow Hooks**
- **Control Arm Link Kits**

Damages to vehicle or any other object during the installation, use, or removal of High Lifter products are not covered under this warranty. Normal wear items included with any of the products covered under this Limited Lifetime Warranty are excluded from coverage. These items include, but are not limited to heim joints, tie rods, bearings, bushings, seals, gaskets, zinc plating, painted and powder coated finishes. Other exclusions of coverage under this warranty include, but are not limited to: damage or product failure due to improper installation, lack of maintenance, product modification, abuse, collision or use on vehicles for which product was not designed, repairs performed by anyone other than approved High Lifter personnel or made using non-High Lifter components. This warranty is valid for the original purchaser only and is non-transferable. High Lifter reserves the right to inspect any product before determining if the claim is valid and covered under this warranty. Claims determined to be caused by reasons other than a manufacturer defect will be rejected and an estimate for repair or cost of a replacement product if a repair is not possible, will be provided.

**This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether express or implied, except the warranty of title.**

#### **WARRANTY PROCESSING**

If you suspect your product is defective, **DO NOT** disassemble the product to determine the cause without prior approval as it may void your warranty status. This is especially true with our Portal Gear Lift. To begin the claim process, please e-mail our warranty team at [warranty\\_care@highlifter.com](mailto:warranty_care@highlifter.com) and include the following in the e-mail:

- ☐ Your full name, address and contact phone number.
- ☐ The year, make and model of your vehicle
- ☐ The part number of the product
- ☐ Photos of the product installed, and vehicle product is installed on
- ☐ Proof of Purchase (Required for all warranty claims and you must be the original purchaser)

Once a claim is created, you will receive a return authorization number (RMA). Write this number on the outside of the box containing your defective product and include it along with your name and contact information inside the box. Product must be returned in the original box or a box of equal strength and packaging. Product sent without an RMA number visible on the outside of the box or sent COD will be refused. Ship your product to the following address:

#### **High Lifter Products**

**Attn: Returns 7455 Atkinson Drive, Shreveport, LA 71129**

Once your product is received, we often have your replacement or repaired product shipped back to you within 3-business days of receiving it. Please note that High Lifter is not responsible for shipping charges on product returned for warranty or repair, including duties and fees required by those residing outside the United States.

**THANK YOU FOR CHOOSING**  
**HIGH LIFTER**

## OBTAINING A WARRANTY CLAIM

All returns for warranty must be pre-approved by calling **1.800.699.0947**. After warranty approval has been granted and a Return Merchandise Authorization (RMA) number issued, the product must be received by HIGH LIFTER PRODUCTS within 15 calendar days. The RMA number must be clearly displayed on the return box or the return will be refused. An RMA number does not imply a replacement or refund on any product, but only that we will inspect the product for warranty claims. For orders outside the United States, any fees associated with customs or duties are non-refundable. All claims must be accompanied by the sales receipt detailing date and place of purchase, a written explanation of the problem, a phone number, and e-mail address. **A copy of this receipt must be included with the product submitted for warranty repair or replacement. The purchaser is responsible for any freight charges on a warranty claim or repair service after the warranty expires, including incoming freight to High Lifter and return freight to the purchaser.**

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### HIGH LIFTER PRODUCTS WARRANTY CLAIM

Name: \_\_\_\_\_

Product Number: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Place of Purchase: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Reason for Return: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

E-Mail Address: \_\_\_\_\_  
\_\_\_\_\_

Reminder – This claim must be accompanied by a copy of the original receipt.

