

HDRA-RNG1

APEXX Polaris Ranger 900/1000 Rear Control Arm Kit



Parts Available For These Popular Brands and Others

POLARIS

can-am



Kawasaki



HIGHLIFTER



sales@highlifter.com



800-699-0947 | 8:00am - 6:00pm CST



780 Professional Drive North, Shreveport, LA 71105



www.highlifter.com

PRODUCT DISCLAIMER

The installation of products sold or manufactured by High Lifter Products, Inc. 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, Inc., 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).

PARTS DIAGRAM

IMPORTANT NOTICE: FOR 112K ADJUSTABLE COLLAR (4EA)

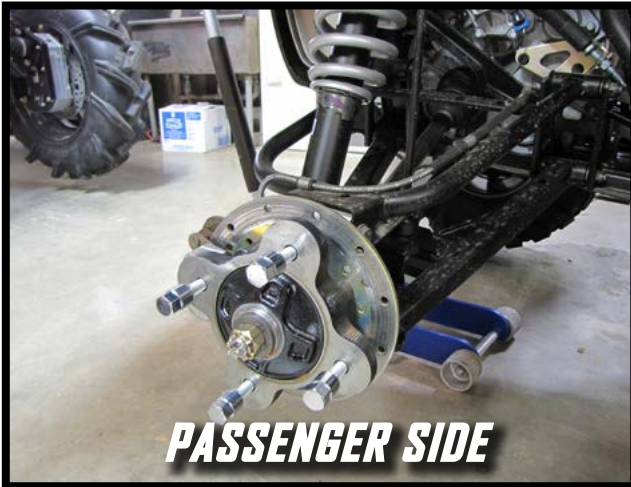
DO NOT ADJUST COLLARS UNTIL YOU ARE READY TO ADJUST THE WHEEL CAMBER. THEY ARE PRESET TO FACTORY SETTINGS. THIS CAN CAUSE THE INSTALLER TO MAKE UNNECESSARY ADJUSTMENTS DURING THE INSTALLATION PROCESS.



1

NOTE: Procedures featured will be preformed from the rear **PASSENGER SIDE**.

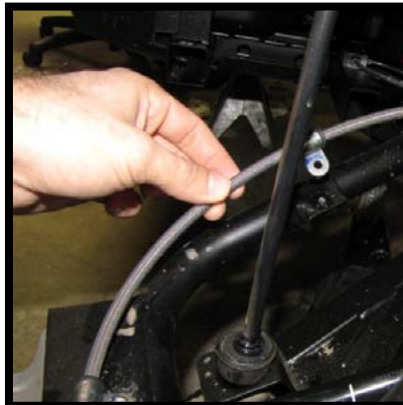
Once steps are completed, you will repeat them on the opposite side. **KEEP ALL FACTORY HARDWARE.**



Place jack under the rear center of the UTV and lift until the weight is off the suspension. Ensure that the vehicle is properly secured, so that it is stable on the jack.

Remove the rear wheel.

Brake Line Clips

2

Drill out the factory p-clamps until they snap off, then remove the clamps.

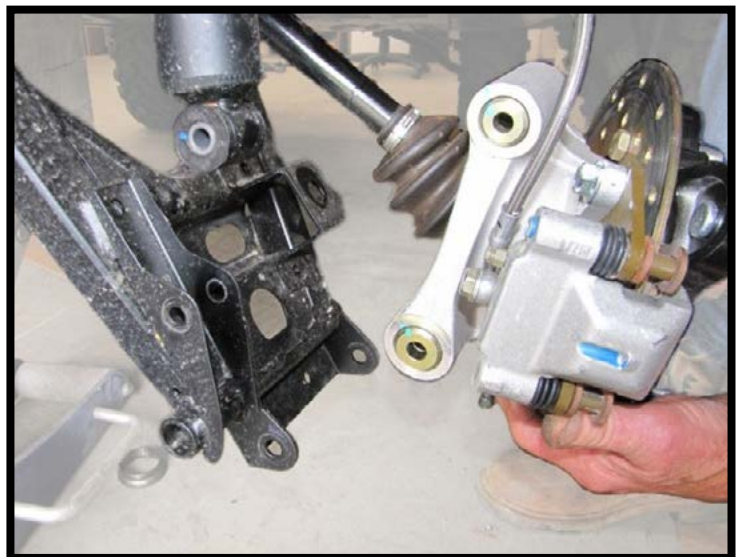
Hub Assembly

3

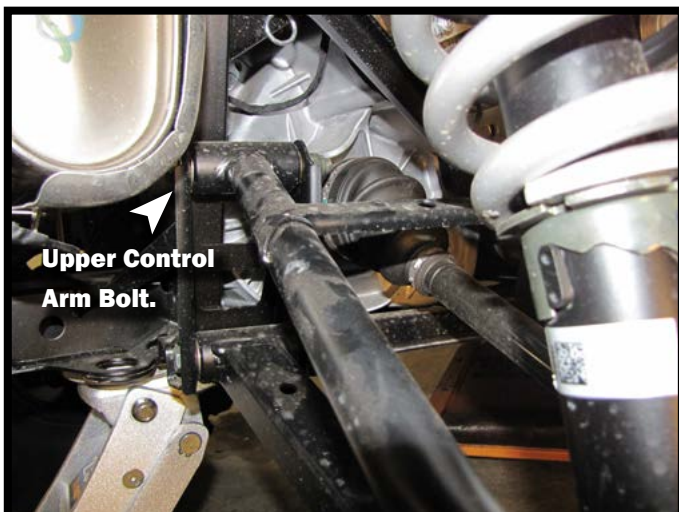
Disconnect the **hub assembly** from the arms. You will reuse the **factory hardware** to connect the new control arms to the frame.

NOTE: You do not need to disconnect the hub from the brake line or axle.

CAUTION: DO NOT ALLOW AXLE TO DROOP WITHOUT SUPPORT. IT CAN CAUSE IT TO COME OUT OF THE REAR DIFFERENTIAL.

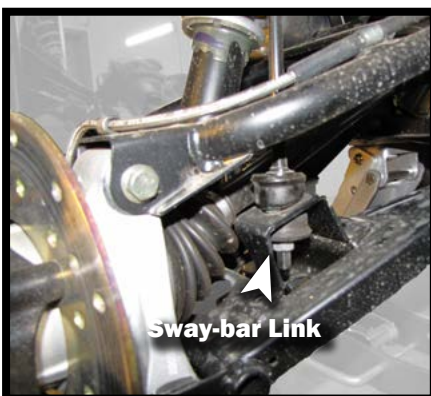


4



NOTE: you may have to remove the exhaust if it hinders access to the upper control arm bolt.

Disconnect the upper arm **FIRST** then disconnect the lower arm, shock, and sway-bar. You will reuse the factory hardware to reconnect the new control arms the frame.



PIVOT CAPS, SLEEVE, & BUSHINGS

Removal

5

NOTE: IF YOUR BUSHINGS ARE PRE-INSTALLED SKIP TO STEP 8

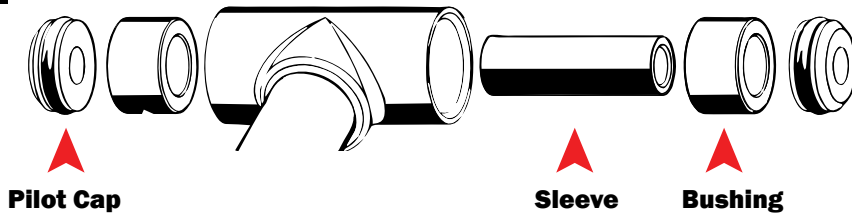


Use caution when removing the bushing from the collar, there is a stop built into the factory arm that prevents the bushing from pushing out when installed. Because of this, the bushing must be pushed out from the opposite side!! A flat punch or press is recommended to remove the bushings.

6



7



Reinstall the bushings, sleeves, and pivot caps into the new arm.



NOTE: Applying grease to the bushings and sleeves will make the installation easier.

NOTE: Once the bushing is inserted, you will need to use a socket to help press it in all the way.

8



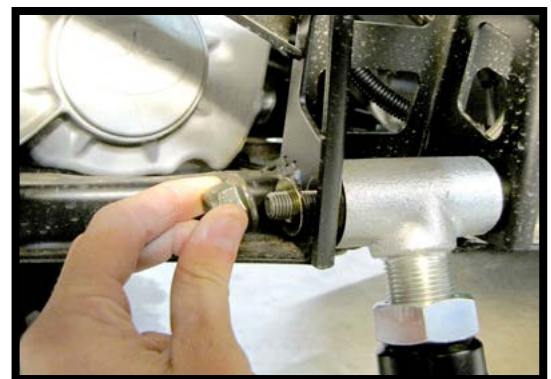
Once bushings are installed, **connect the new upper arm to the frame using the factory hardware. DO NOT FORGET WASHERS.**



Attach the upper arm to the hub assembly.

Lower Control Arm

9



Connect the new lower arm to the frame using the factory hardware. **DO NOT FORGET WASHERS.**

10



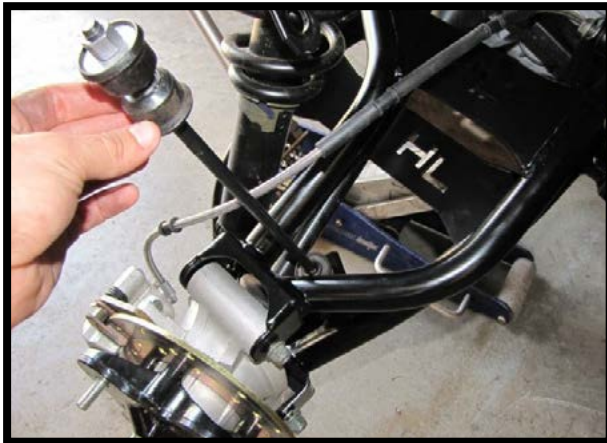
bushing



Attach the **shock**, then push the **sway-bar link** through the mount on the lower arm, then secure it with the **bushing**.

Brake lines

11

**INCORRECT** ✖**CORRECT** ✔

NOTICE: MAKE SURE THE BRAKE LINE IS TO THE FRONT OF THE SWAY BAR LINK RUNNING ALONG THE FRONT UPPER SIDE OF THE ARM.



Using the **zip ties** provided secure the **brake lines** to the **upper control arm**.

12

Attach the lower arm to the hub assembly using factory hardware. **DO NOT FORGET WASHERS.**

TORQUE ALL BOLTS TO FACTORY SPEC

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



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

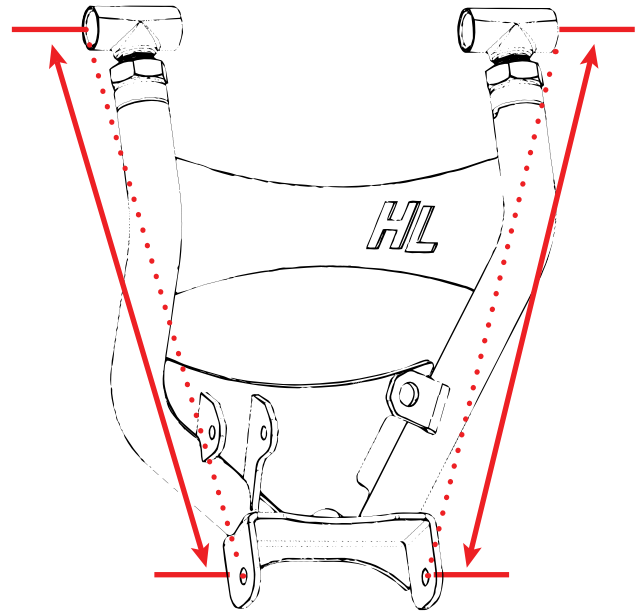
13 BEFORE STARTING

- Tires must be off the ground
- Tires must have equal air pressure
- Suspension components must be completely assembled

The new High Lifter lower control arms will come pre-adjusted to factory length, which is .937

If you need to re-adjust the collars, place the factory arm and new control arm on a flat surface. Measure from eyelet to center mount on the factory arm, and then adjust the new arms to those lengths.

NOTE: When re-adjusting, leave the jam nuts loose. Do not fasten tight until installed on UTV, after all final adjustments have been made.



Make all adjustments in small increments.

Do this by disconnecting the control arms at the frame and adjusting collars. Once small adjustments have been made. Take the UTV off the jack and roll it back and forth several times to check the camber. Repeat steps as needed. After alignment is complete, tighten jam nuts to 80 ft-lbs and secure it with blue loctite.

Positive Camber

If you have a **positive** camber you will need to adjust the collar **OUTWARD** or **lengthen** the collar.



Correct Camber

For this application, we recommend a camber setting of 0°. Collars are preset to .937



Negative Camber

If you have a **negative** camber you will need to adjust the collar **INWARD** or **shorten** the collar.





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.

This 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@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, Inc.
Attn: Returns 780 Professional Dr N Shreveport, LA 71105

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
HIGHLIFTER

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 axle 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 axle 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 axle 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.**



HIGH LIFTER PRODUCTS WARRANTY

Name: _____

Axle 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.

