



# K68-0822010 Gen 4/Gen 5 / Lynx 34" Chromoly A-Arm Kit



## **INTRODUCTION**

### **PLEASE RETAIN THIS DOCUMENT FOR FUTURE REFERENCE**

If your ZBROZ® product has a damaged or missing part, please contact customer service directly and a new replacement part will be sent to you immediately.

For warranty issues, please return to the place of installation and contact ZBROZ®.

Business hours are Monday through Friday 8AM-5PM MST.

PHONE: (435) 753-7774

EMAIL: [customerservice@zbrozracing.com](mailto:customerservice@zbrozracing.com)

WEBSITE: [www.zbrozracing.com](http://www.zbrozracing.com)

### **LIMITED LIFETIME WARRANTY**

ZBROZ® will warranty to the original purchaser any failed ZBROZ® suspension product in the event of failure due to construction or material failure of the product. You will be required to contact ZBROZ® customer service with descriptions and photos that resulted in failure.

ZBROZ® builds suspension products to meet and exceed your expectations in quality, performance and durability. All ZBROZ® suspension products are rigorously tested during development and prototype parts are pushed to the limit by professional industry athletes, backcountry athletes and race teams. ZBROZ® Limited Lifetime Warranty excludes the following wear parts as these parts are considered defective when worn: Ball Joints, Bushings, Bump Stops, Tie Rod Ends, Heim Joints, Shock Absorbers Product purchased directly from ZBROZ® has a 90 day return policy on uninstalled products from the date of purchase (may be subject to restocking fee). Uninstalled product returns must be in the original ZBROZ® packaging. Please call (435) 753-7774 to get an RMA# for any return. Customer is responsible for shipping costs back to Zbroz Racing. Returns without RMA# will be refused. Contact ZBROZ® directly about any potentially defective parts prior to removal from vehicle.

ZBROZ® is NOT responsible for any subsequent damages to any related vehicle parts due to misuse, abuse, improper installation, or lack of maintenance. Furthermore, ZBROZ® reserves the right to change, modify or cancel this warranty without prior notice.

### **FOLLOW INSTRUCTIONS TO ENSURE PROPER INSTALLATION**

**READ INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE BEGINNING INSTALLATION. INSTALLATION BY A CERTIFIED PROFESSIONAL MECHANIC IS HIGHLY RECOMMENDED. ZBROZ® IS NOT RESPONSIBLE FOR ANY DAMAGE OR FAILURE RESULTING FROM IMPROPER INSTALLATION.**



## TOOLS:

- 12mm Wrench (1)
- 13mm End Wrench (1)
- 15mm End Wrench (1)
- 15mm Socket (1)
- 16mm End Wrench (1)
- 16mm Socket (1)
- 19mm Socket (1)
- Ratchet (1)
- 19mm Open End Wrench (1)



## PARTS:

- Lower Right Hand A-Arm (1)
- Upper Right Hand A-Arm (1)
- Lower Left Hand A-Arm (1)
- Upper Left Hand A-Arm (1)
- Tie Rods (2)

**Step 1 — K68-0822010 Gen 4/Gen 5 / Lynx 34" Chromoly A-Arm Kit**

- **MISUSE OF THIS PRODUCT COULD LEAD TO INJURY OR DEATH.** You should never operate your vehicle under the influence of alcohol or drugs. All raised vehicles have increased risk including blind spots; damage, injury and/or death can occur if these instructions are not followed.
- Suspension systems or components that enhance the on and off-road performance of your vehicle may cause it to handle differently than it did from the factory. Extreme care must be used to prevent loss of control or vehicle rollover during abrupt maneuvers.
- Always operate your vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Failure to drive safely may result in serious injury or death to driver and passengers. You should never operate your vehicle under the influence of alcohol or drugs.
- Driver and passengers must **ALWAYS** wear your seat belts, avoid quick sharp turns and other sudden maneuvers. ZBROZ® does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

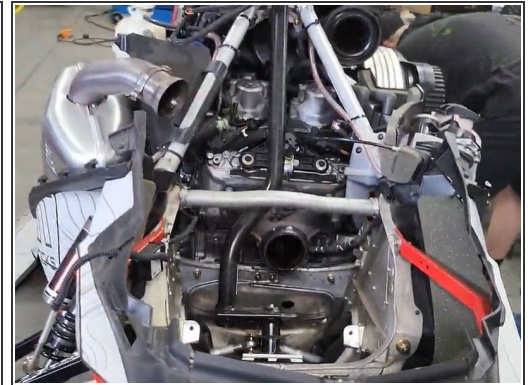
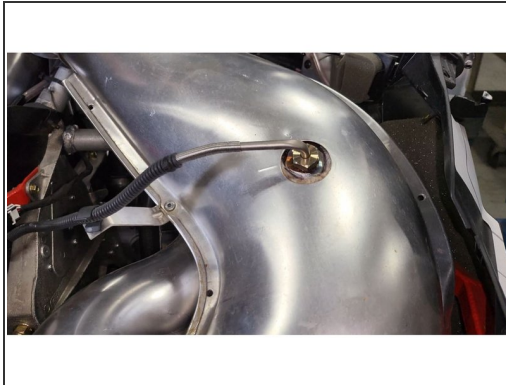
- Constant maintenance is required to keep your vehicle safe. Thoroughly inspect your vehicle before and after every off-road use.
- It is the responsibility of the retailer and/or the installer to review all state and local laws, with the end user of this product, related to bumper height laws and the lifting of their vehicle before the purchase and installation of any ZBROZ® products.
- It is the responsibility of the driver to check their surrounding area for obstructions, people, and animals before moving the vehicle.

## Step 2



- Use caution during all disassembly and assembly steps to insure not to cause damage to any vehicle components and parts included in this kit.
- Included instructions are guidelines only for recommended procedures and are not meant to be definitive. Installer is responsible to insure a safe and controllable vehicle after performing modifications.
- ZBROZ® recommends the use of an OE Service Manual for model/year of vehicle when disassembly and assembly of factory and related components.
- Unless otherwise specified, tighten all bolts and fasteners to standard torque specifications listed within the OE Service Manual.

### Step 3



- Begin by raising the front of your snowmobile off of the ground.
- **IMAGE 1** Remove the side panels and the hood.
- **IMAGE 2** Next use a 17mm to remove the exhaust sensor.
- **IMAGE 3** Remove the pipe, you do not need to remove the muffler just the pipe.

### Step 4



- **IMAGE 1 & 2** Next, remove your ski shocks. Remove the lower and upper mounting bolts using a 12 and 13mm.
- **IMAGE 2** remove the upper ball joint with a 19mm and remove the shocks. Removing the upper ball joint allows more space to remove the shock.
- **NOTE:** To break the ball joint free from the spindle, tap on the spindle with a hammer. placing a piece of tape over the spindle will help protect its finish.



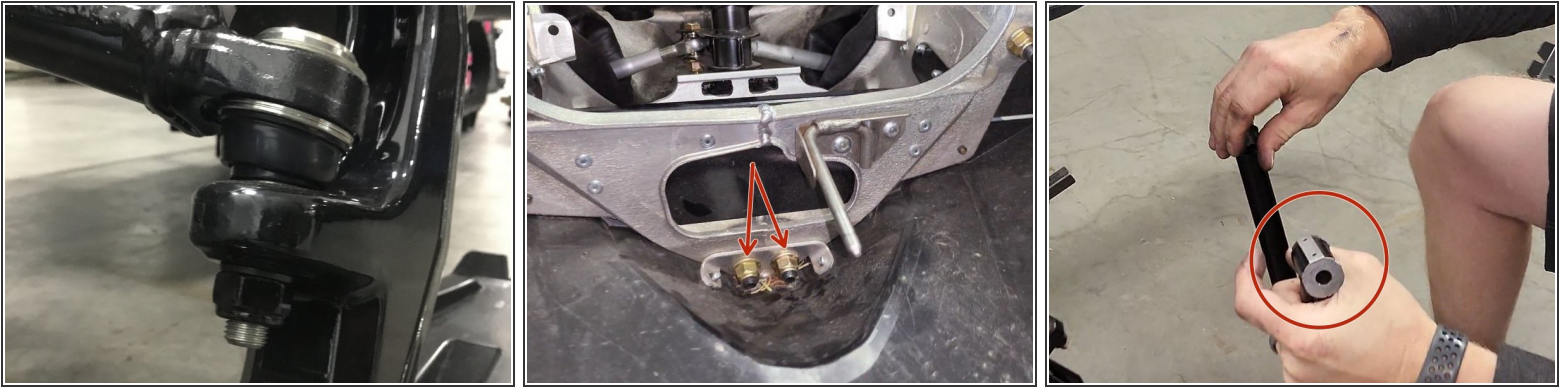
## Step 5



- **IMAGE 1 & 2** Next remove the upper a arm bolts. Be careful not to lose the rear upper a arm nut as it cannot be reached easily if it falls back towards the engine.
- ⓘ **NOTE:** The front upper a arm bolt can be removed using a 15 and a 16mm. the rear bolt will only require a 16mm. The rear nut is secured in a slot that is not easily accessible but it can fall easily if the sled is bumped or moved during the process.
- Remove the upper a-arm and set it aside. Hold on to the stock washers, nuts and bolts. They will be used in reassembly.
- **IMAGE 3** Once you have the upper arms removed, take the bushings and pivot sleeve out of the stock arms and place them into the new arms.



## Step 6



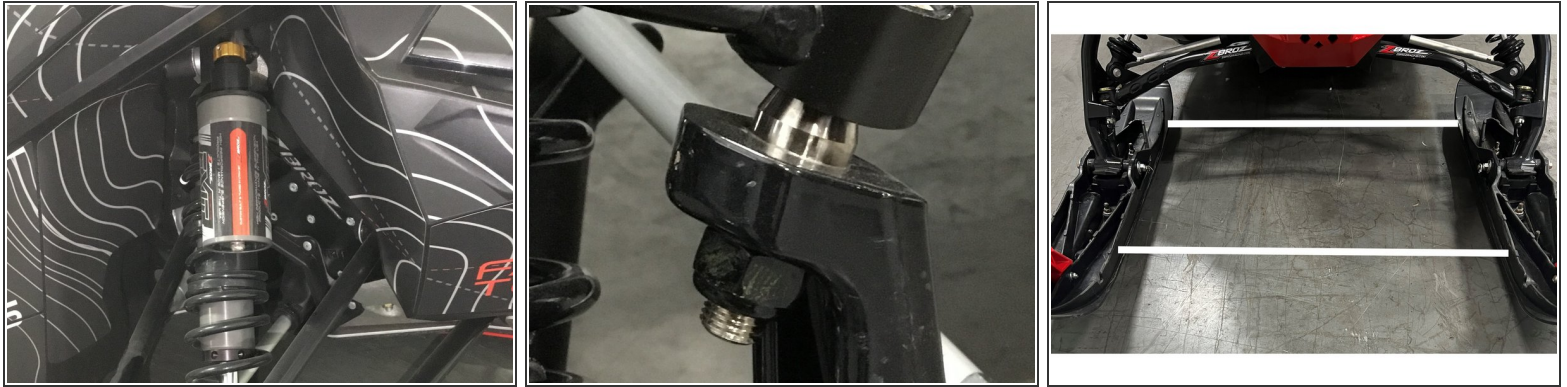
- **IMAGE 1** Now remove the lower ball joint using the same technique you used on the upper ball joint.
- **NOTE:** If you are running a front sway bar, remove the sway bar mounting bolt.
- **IMAGE 2** Remove the nuts and bolts securing the lower arms using a 15 and 16mm. They are found in the bottom of the belly pan.
- **NOTE:** The rear nuts are held in place so you will only need to remove the bolt with your 16mm
- **IMAGE 3** Once you have the stock lower arm removed, place the stock bushings, pivot sleeves, and pivot brackets into the new arm the same way they were in the stock arms.
- Before installing the new arms, replace your tie rod with the new provided tie rod unless you are already running a 34" front end.

## Step 7



- **IMAGE 1** With the new tie rod installed, install the new lower a-arm with the proper mounting hardware and torque to spec.
- **IMAGE 2** Place the lower ball joint into the spindle and torque to factory spec.
- If you are running a front sway bar, reinstall that at this point.
- **IMAGE 3** Next Install the new uppers making sure to reuse the stock washers in the correct location. Also be careful to insure the rear mounting nut doesn't fall back into the engine bay.

## Step 8



- **IMAGE 1** It is easier to install the shock before you install the upper ball joint into the spindle. Once the shock is installed torque to factory specs.
- **IMAGE 2** Use a 19mm to install the upper ball joint into the spindle and torque to factory specs.
- **IMAGE 3** Repeat the above steps on the opposite side and lower you snowmobile. Adjust the tie rods until the space between the front of the skis and the rear of the skis is the same.
- Replace the pipe, hood, and side panels to complete the install.

By installing this product, you acknowledge that the suspension of this vehicle has been modified. As a result, this vehicle may handle differently than that of factory-equipped vehicles. As with any vehicle, extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state. Consult your owner's manual, the instructions accompanying this product, and state laws before undertaking these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.