



K45-0817250-01 Can-Am X3 64" Intense Series Radius Rod



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

WEBSITE: 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:**

- Floor Jack (1)
- 18mm Socket (1)
- 18mm Open End Wrench (1)

**PARTS:**

- LOWER RIGHT RADIUS ROD (1)
 - LOWER LEFT RADIUS ROD (1)
 - UPPER RIGHT RADIUS ROD (1)
 - UPPER LEFT RADIUS ROD (1)
 - MIDDLE RIGHT RADIUS ROD (1)
 - MIDDLE LEFT RADIUS ROD (1)
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Step 1 — Safety Warning



- **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.
- All raised vehicles have increased blind spots; damage, injury and/or death can occur if these instructions are not followed.

Step 2 — Installation Warning



WARNING

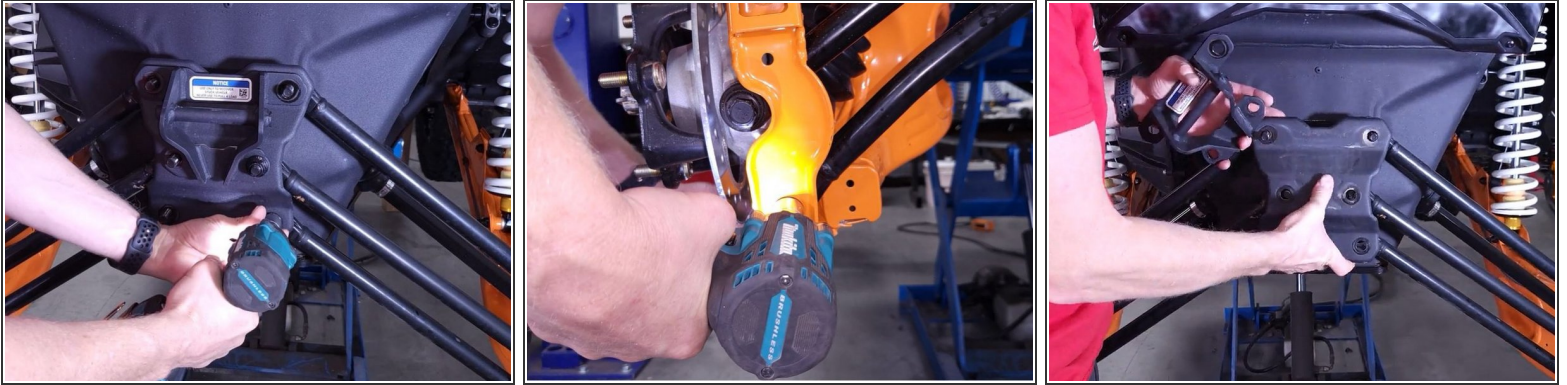
- All steps and procedures described in these instructions were performed while the vehicle was properly supported on a two post vehicle lift with safety jacks.
- Use caution during all disassembly and assembly steps to insure suspension components are not over extended causing damage to any vehicle 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.

- Suspension components that use rubber or urethane bushings should be tightened with the vehicle at normal ride height. This

will prevent premature wear or failure of the bushing and maintain ride comfort.

- Larger tire and wheel combinations may increase leverage on suspension, steering, and related components.
- Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle ride height. Always measure the vehicle ride height prior to beginning installation.

Step 3 — Stock Radius Rod Removal



- Start by making sure you are parked on a flat surface. With your floor jack or lift, raise your Can-Am X3 off of the ground and remove the rear wheels and tires.
- (IMAGE 1) Begin removing the Gusset Plate nuts by using a 18mm socket.
 - ⓘ **NOTE:** All 6 nuts need to be removed. Do not separate the gusset plate yet. This will be done after removing all the lower Radius Rod bolts.
- (IMAGE 2) Next, remove all Radius Rod bolts on the trailing arms/hubs. Perform this step on both sides.
- (IMAGE 3) Carefully slide the Gusset Plate completely off of the bolts.
- Pull the lower Radius Rod center connection off the Gusset bolt first. Next, carefully rotate the rod downward. The hub side of the rod end should slip out.
- Repeat the above steps on the other side.

Step 4 — ZBROZ Lower Radius Rod Installation

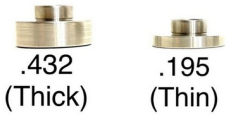


- On the new ZBROZ Lower Radius Rod the ZBROZ logo is closer to the hub-side end and has a larger bearing pressed in. Locate the supplied reducers.
 - ⓘ **NOTE:** The hub-side reducers will be larger and not fit into the gusset side. This is how you know it has been placed correctly.
- (IMAGE 1) Place reducer M12x3/4 into the spherical bearing. Repeat on the other side so that both reducers are placed into the bearing. They fit snug so you may have to line them up perfectly to slide them into place.
- (IMAGE 1) Now slide this end into place on the trailing arm and insert the bolt as far as it will go to hold it in place. Make sure the hub and trailing arm bolt holes are lined up in order to insert the bolt all the way through.
 - ⓘ **NOTE:** you may need to maneuver the hub to line up the holes. once the bolt is all the way through, hand tighten only.
- (IMAGE 2) Locate the frame side reducers and place the reducers S.S-10xM12.682 on the back side against the frame and slide over the Gusset bolt. Next place the smaller reducer over the Gusset bolt into place.
 - ⓘ **NOTE:** Some Maneuvering may be required.
- Repeat this step on the other side.

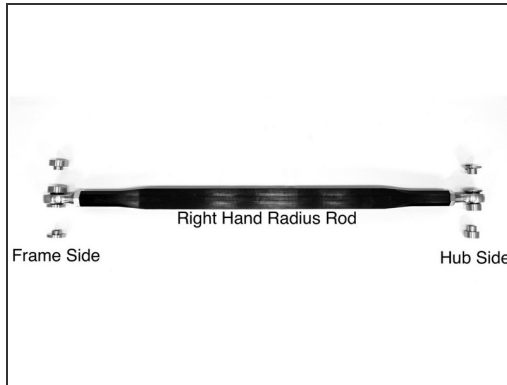
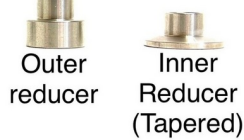
Step 5 — Middle Rods

EYELET REDUCERS

Frame Side

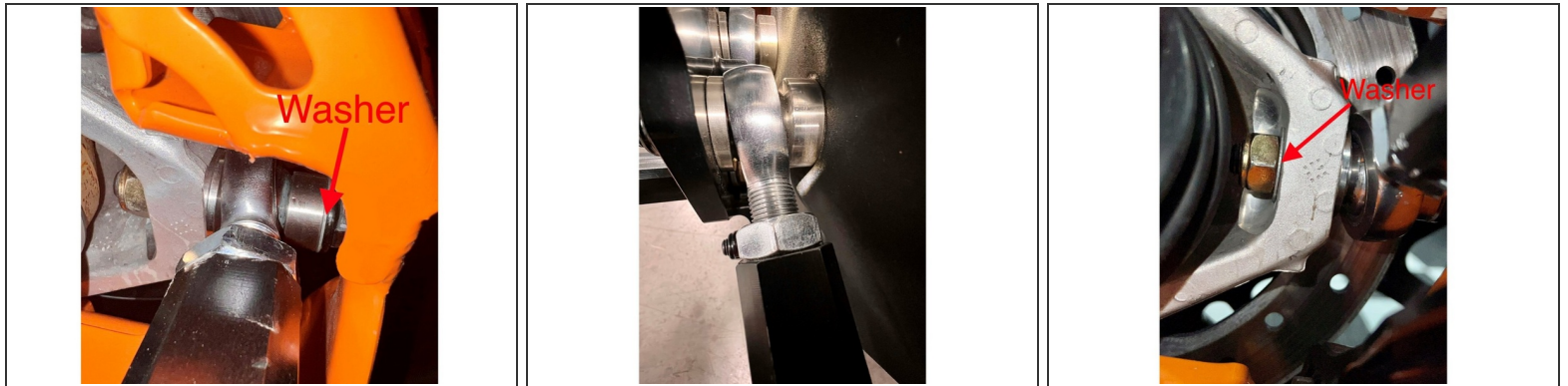


Hub Side



- Begin installing Eyelet Reducer into the radius rod heim joints.
- (IMAGE 1 & 2) Locate the radius rod so the Zbroz logo is facing outward. Place the eyelet reducer SS -10 X 12MM .432 (THICK) into the side that goes against the frame.
- Now place the eyelet reducer SS -10 X 12MM .195 (THIN) so that it is going against the gusset plate.
- On the hub side of the radius rod, place the tapered eyelet reducer so that it is going against the hub.
- Now place the outer eyelet reducer so that it is going towards the rear of the Can-Am X3. (SEE IMAGES)

Step 6 — Middle Rods



- (IMAGE 1) Begin by installing the radius rod into the hub side first making sure your eyelet reducers as well as the radius rod itself are oriented correctly. Now line up the bolt holes and insert the bolt to hold it in place.
- ⚠ Be sure to replace the factory washers in reassembly or you will not get the proper torque setting! (SEE IMAGES 1 & 3)
- (IMAGE 2) At this point you will now slide the opposite end of the Radius Rod onto the gusset bolt.
- ⓘ Some maneuvering of the hub may be required to properly line up the hole with the gusset bolt.
- Repeat this step on other side.

Step 7 — Upper Rods



- (IMAGE 1 & 2) On the new ZBROZ Upper Radius Rod be sure the ZBROZ logo is facing outward and can be read. Next install the EYELET REDUCER SS -10 X 12MM .682 (THICK) so that it is towards the front of the Can-Am X3. Install the EYELET REDUCER SS -10 X 12MM .195 (THIN) so that it is towards the rear of the Can-Am X3.
 - ⓘ The eyelet reducers will be in the same location on the gusset side and the hub side. (SEE IMAGE 1 & 2)
- (IMAGE 1) Begin by installing the radius rod into the hub side first making sure your eyelet reducers as well as the radius rod itself are oriented correctly. Now line up the bolt holes and insert the bolt to hold it in place.
- (IMAGE 2) At this point you will now slide the opposite end of the Radius Rod onto the gusset bolt.
 - ⓘ NOTE: Some maneuvering of the hub may be required to properly line up the hole with the gusset bolt.
- Repeat this step on the other side.

Step 8 — Re-installing Gusset Plate



- (IMAGE 1) When both Radius Rods are in place it should look this this.
- (IMAGE 2) Place the Gusset Plate back over the bolts. You may need to maneuver the hub and the arms to line up all 6 bolts into the gusset holes. Hand tighten the nuts as much as you can.
- ⓘ **NOTE:** Having an additional person helps make the job easier.
- Now torque the nuts with an 18mm socket to factory specs.
- Don't forget to go back and torque your trailing arm side Radius Rod bolts on both sides to factory specs as well.

⚠ **Double check all bolts are tightened back to factory specs before lowering the vehicle.**

By installing this product, you acknowledge that 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.