



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 contact ZBROZ.

(435) 753-7774

MON-FRI 8AM-5PM PST

OR

EMAIL: customerservice@zbrozracing.com

WEBSITE: www.zbrozracing.com

****Please retain these instructions for future reference.****

Limited Lifetime Warranty

Zbroz Racing will warranty to the original purchaser any failed Zbroz Racing suspension product in the event of failure due to construction or material failure of the product. You will be required to contact Zbroz Racing customer service with description and photos that resulted in failure. Zbroz Racing builds suspension products to meet and exceed your expectations in quality, performance and durability. All Zbroz Racing 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 Racing 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 Racing 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 Racing packaging. Please call (435) 753-7774 to get an RGA# for any return. Customer is responsible for shipping costs back to Zbroz Racing. Returns without RGA# will be refused. Contact Zbroz Racing directly about any potentially defective parts prior to removal from vehicle.

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



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.

Safety Warning

MISUSE OF THIS PRODUCT COULD LEAD TO INJURY OR DEATH.

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.

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.

You should never operate your vehicle under the influence of alcohol or drugs.

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/s 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.

Installation 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.



Before starting installation: ZBROZ highly recommends that the installation of this product be performed by a professional mechanic with experience working on and installing suspension products. Professional knowledge and skill will typically yield the best installation results. If you need an installer in your area, please contact ZBROZ Customer Service to find one of our "Pro-Grade" Dealers.

INSTALLATION BY A PROFESSIONAL IS HIGHLY RECOMMENDED.

- A Factory Service Manual for your specific Year / Make / Model is highly recommended for reference during installation.
- All vehicles may require additional driveline modifications and / or balancing.
- A vehicle alignment is REQUIRED after installation of this product.
- A vehicle lift or hoist greatly reduces installation time. Installation time estimates are based on an available vehicle hoist.
- Vehicle must be in excellent operating condition. Repair or replace any and all worn or damaged components prior to installation.

*****Parts shown in red for picture clarification only*****

ZBROZ recommends all steps and procedures described in these instructions be performed while the vehicle is properly supported on a two post vehicle lift with safety jacks

Otherwise, park vehicle on a clean flat surface and block the rear wheels for safety. Engage the parking brake.

Lock the steering wheel in the straight forward position with the column lock or steering wheel locking device.

Raise the front of the vehicle and support with safety jack stands at each frame rail behind the lower control arms.

SAEJ2492 Warning: 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.



INSTALLATION INSTRUCTIONS

Polaris AXYS Rear Bumper

AXYS 155, 2016-2018 | AXYS, 155 2019-2022 | AXYS 165, 2019-2022

APPLICATIONS

AXYS 155, 2016-2018

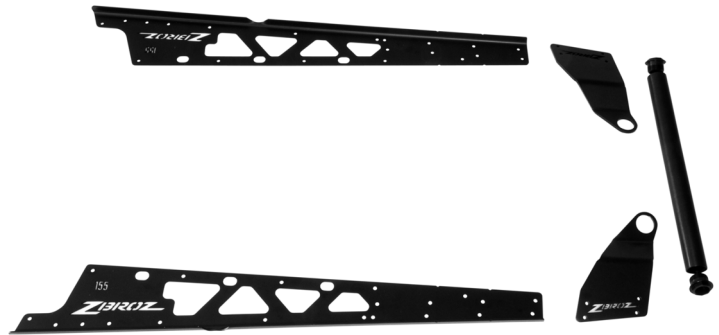
- K40-0621541
- K40-0621541-01
- K40-0621541-02
- K40-0621541-03
- K40-0621541-08

AXYS 155, 2019-2022

- K40-0621542
- K40-06215421-01
- K40-06215421-02
- K40-06215421-03
- K40-06215421-08

AXYS 165, 2019-2022

- K40-0621543
- K40-0621543-01
- K40-0621543-02
- K40-0621543-03
- K40-0621543-08



Tools Needed
Flathead Screwdriver
10MM End Wrench
T30 Torque Driver Bit
Rivet Gun
3/16 Drill Bit
Drill
Impact Driver
Crescent Wrench

Bill of Materials	QTY
POL AXYS Rr BMPR SIDE PLT Left Hand	1
POL AXYS Rr BMPR SIDE PLT Right Hand	1
SIDE PLT, Left Hand, GRAB BAR	1
SIDE PLT, Right Hand, GRAB BAR	1
POL AXYS GRAB BAR TUBE	1
THRD BOLT GRAB BAR Rr BMPR	2
RVT ST 3/16 DIA ST SHK .125-.250	32
RVT ST 3/16 DIA ST SHK .375-.500	8
WSHR FLAT #8 50PK	8

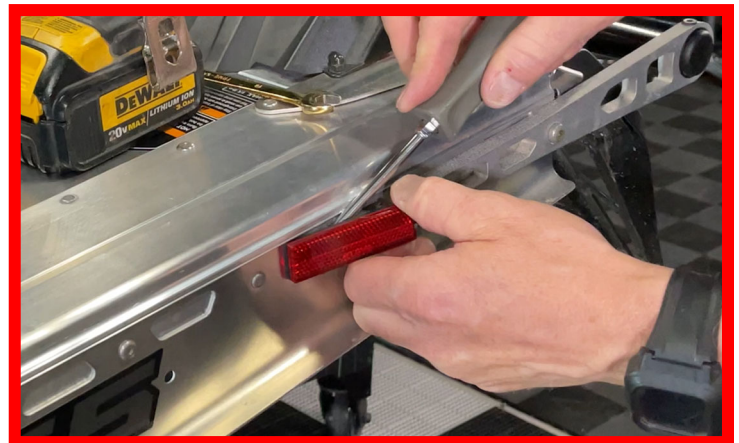
This Rear Bumper can be installed on your Polaris AXYS without lifting or modifying the orientation of your snowmobile. Please place snowmobile in a flat secure spot on the ground.

Follow These Steps First:

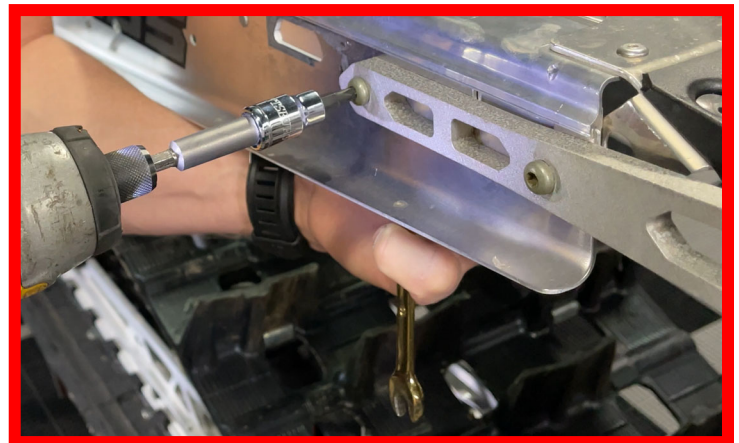
1. Make sure your snowmobile is parked on a flat location.
2. Have all of the necessary tools on hand ready to go.
3. Double check all of the parts listed in the Bill of Materials are located in the box.

Factory Bumper Removal

Start by removing the reflector from the tunnel on each using a flathead screwdriver.

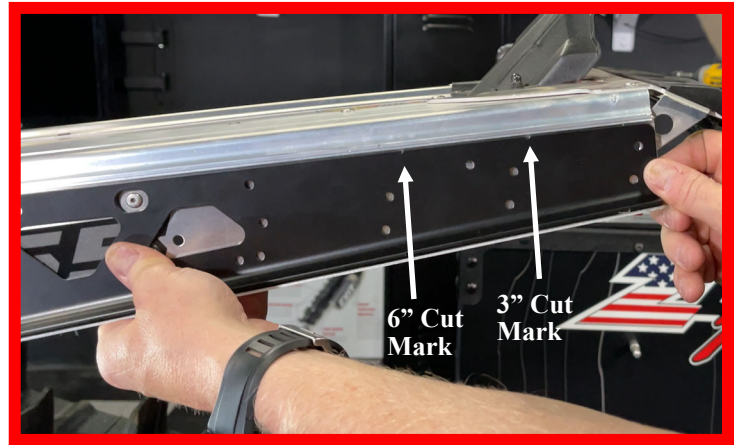


Using the T30 Torque bit and 10mm end wrench, remove the two bolts on each side of the bumper which holds the bumper to the tunnel. Once both sides are removed, the Bumper will be free and easily removed.



Take the new ZBROZ Rail Plates and line them up against the factory rail to ensure the rivet wholes and handle bolts line up.

If you are cutting your factory tunnel 3" or 6" the ZBROZ Rail Plates support this by providing a template for cutting the plate with cut marks at 3" and 6" marks. Cut your tunnel and plate and then follow the next steps.



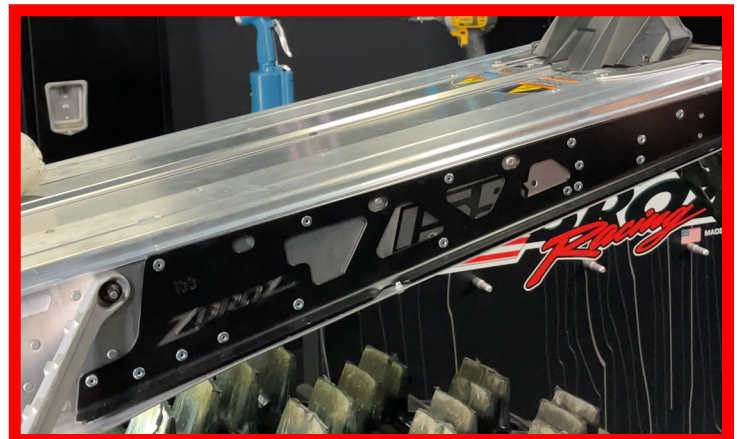
Using the 3/16" drill bit, drill through both the ZBROZ side rail and factory rail.



Now using a rivet gun and one of the supplied 3/16 DIA ST SHK .125-.250 rivets, rivet the ZBROZ side rail to the factory rail so that it holds it in place for future drilling and riveting.



Using the 3/16" drill bit, drill the rest of the holes and secure the ZBROZ side rail to the factory rail with the supplied 3/16 DIA ST SHK .125-.250 rivets. There should be 16 total rivets on each side making 32 total. Do not place 125-.250 rivets in the last 4 holes on the end of the tunnel during this step.



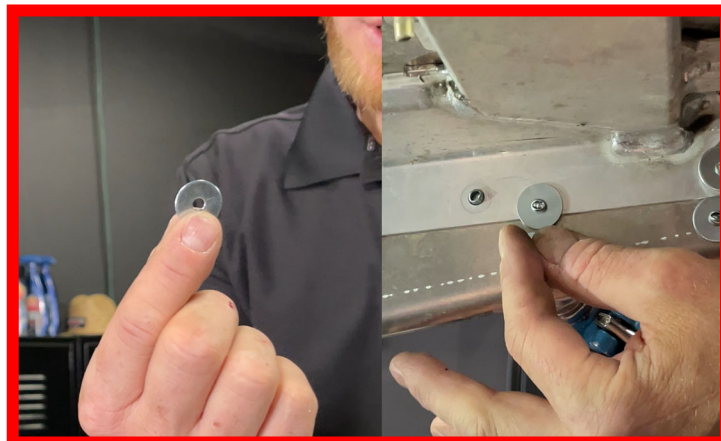
Now make sure you have drilled out the last 4 four holes at the end of the tunnel. Take the ZBROZ Grab Bar Plate and place it on the end of the tunnel ovetop of the ZBROZ plate. The 4 holes should line up.

Now take 4 RVT ST 3/16 DIA ST SHK .375-.500 Rivets and place them in the wholes but do not secure the rivets yet.

Before you secure the rivets take the supplied washers and place them over the rivet end on the inside/underneath tunnel or backside of the factory rail.

Secure the rivets on using the rivet gun.

Repeat all of these steps and install the oppo- site side ZBROZ Rail and Grab Bar Plate.



Take the Billet Cross Bar and place it on the inside of the cross bar plates lining up the wholes with the cross bar threaded whole.



Locate the Billet Threaded Nut and hand tighten it into the Billet Cross Bar from the outside of the Bar Plate. Repeat this step on the other side. If you would like, you can place some blue lock tight on the threaded nut to secure it.



Finally using a crescent wrench, tighten the Billet Nuts on both sides. For support, use your off hand to hold the Cross Bar while you tighten the nut with the wrench. Be careful not to overtighten.



Final Kit Installation

Your Rear AXYS Bumper Installation is complete! Double check all of the rivets and handle are secure.





FAILURE TO PERFORM THE POST INSPECTION CHECKS MAY RESULT IN VEHICLE COMPONENT DAMAGE AND/OR PERSONAL INJURY OR DEATH TO THE DRIVER AND/OR OTHERS.

Final Checks & Adjustments

Once the vehicle is lowered to the ground, check all parts which have rubber or urethane components to ensure proper torque. Torque lug nuts to the wheel manufacturer specs. Move vehicle backwards and forwards a short distance to allow suspension components to adjust. Turn the front wheels completely left then right and verify adequate tire, wheel, brake line, and ABS wire clearance. Test and inspect steering, brake and suspension components for tightness and proper operation. Inspect brakes hoses and ABS lines for adequate slack at full extension, adjust as necessary.

RECHECK ALL HARDWARE FOR PROPER TORQUE VALUES AFTER 500 MILES, AND THEN PERIODICALLY AT EACH SERVICE INTERVAL THERAFTER.

Vehicle Handling Warning

Increasing the height of your vehicle raises the center of gravity and can affect stability and control. Use caution on turns and when making steering corrections.

Vehicles with larger tires and wheels will handle differently than stock vehicles. Take time to familiarize yourself with the handling of your vehicle.

Wheel Alignment/Headlamp Adjustment

It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician. Align the vehicle to factory specifications. It is recommended that your vehicle alignment be checked after any off-road driving.

In addition to your vehicle alignment, for your safety and others, it is necessary to check and adjust your vehicle headlamps for proper aim and alignment. If the vehicle is equipped with active or passive safety/collision monitoring and/or avoidance systems including, but not limited to, camera- or radar-based systems, check and adjust your vehicle's systems for proper aim and function.