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INSTALL INSTRUCTIONS:

Radius Rod Cage for 2018-2019
Polaris RZR XP Turbo S & 2019
Polaris RZR XP 4 Turbo S
SKU: 360-90696

PARTS LIST FOR SKU: 360-90003

QTY.	PART #	DESCRIPTION
1	8619	Radius Rod Cage
4	HARDWARE - M12 X 1.25 X 70-FB	M12 x 1.25 x 70 mm Lg. Flanged Hex Head Cap Screw
4	HARDWARE - M12 X 1.25- FN	M12 x 1.25 Flanged Hex Lock Nut

REQUIRED TOOLS

- Deep Sockets: 17mm, 18mm
- Wrenches: 17mm, 18mm
- Torque Wrench capable of 70 ft-lbs
- Vehicle lift, or jack and jack-stands

REQUIREMENTS

- Installation requires a qualified mechanic.
- Check the parts and hardware packages against the parts list to assure that your kit is complete.

TECHNICAL INFORMATION

It is necessary to raise the vehicle to perform installation of these products. A hoist or installation bay is recommended. Always ensure that the vehicle is properly supported before attempting installation, as serious injury could occur.



WARNING

Please read this entire instruction sheet before beginning installation. Proper installation of these components requires a qualified mechanic. Always wear safety glasses when using power tools, and take appropriate precautions when working under a vehicle. If these instructions are not properly followed you may jeopardize your, and your passenger's safety, and severe frame, suspension or tire damage may also result from improper installation.

INSTALLATION

1. Raise the back of your RZR up and support by the frame so that the suspension droops out and tires are off the ground by at least an inch.
2. Unbolt the upper and lower radius rods from the frame. When removing the upper bolts it is easier to use two ratchets. Removing the lower bolts is easiest with a ratchet and a wrench.

Figure 1: Remove Upper Radius Rod Bolts

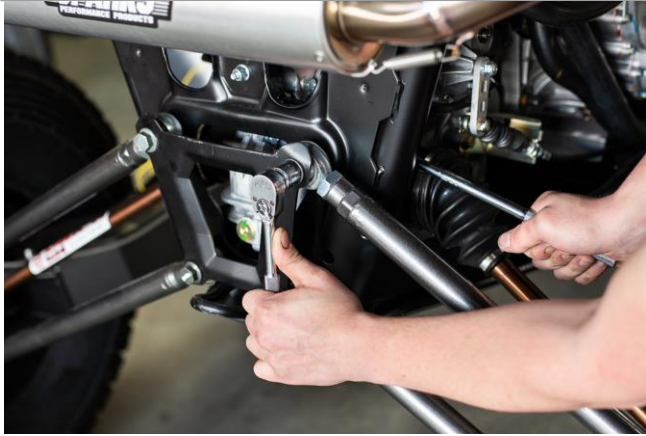
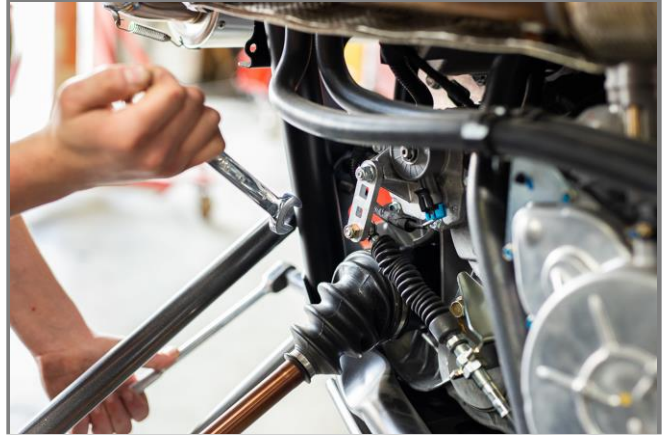


Figure 2: Remove Lower Radius Rod Bolts



3. Remove OEM radius rod plate. If the car already has aftermarket radius rods, be sure not to lose the misalignment spacers when unbolting the radius rods, and there may be thick spacers and thin spacers mixed, keep track of where they belong.

Figure 3: Remove Stock Radius Rod Plate



4. Align the Radius Rod Cage to the frame and insert radius rod ends and spacers (if applicable).

Figure 4: Align Radius Rod Cage to Frame and Insert Radius Rod Ends



5. Installing the lower radius rod nuts can be very difficult as there is very little room between the differential and the chassis. Inserting the included nuts into the end of a wrench can make this easier. See figures 5 and 6.

Figure 5: Nut Held by Wrench



Figure 6: Wrench Access



6. While holding nuts with a wrench or socket, tighten bolts to 70 ft-lbs (96Nm).

Figure 7: Tighten Bolts



WARRANTY / RETURN POLICY / SAFETY

Cognito Limited Lifetime Warranty

Cognito Motorsports, Inc. hereinafter “Cognito,” warrants to the original retail purchaser, that its suspension products are free from workmanship and material defects for as long as the purchaser owns the vehicle on which the product(s) were originally installed. This warranty will be void if any modifications are made to the components, including alterations to the surface finish, i.e.; painting, powder coating, plating, and/or welding, or if they are improperly installed. Cognito truck suspension products are not designed nor intended to be installed on “competition” vehicles used in race applications, stunt or for exhibition purposes that are outside of the intended operating conditions specified by the manufacturer. Racing and competition are defined as any contests between two or more vehicles; or vehicles competing individually on off road circuits in timed events (whether or not such contests are for an award or prize).

This warranty does not include coverage for police, taxi, government or commercial vehicles, and the warranty does not cover Cognito products sold outside of the USA. Cognito’s obligations under this warranty are specified and applied at its sole discretion, and warranty coverage is limited to repair or replacement of the defective product(s). Any and all costs of removal, installation or reinstallation; freight charges, incidental or consequential damages associated with the covered products are expressly excluded from this warranty.

The following items are exempt from Cognito limited warranty coverage: bushings, bump stops, tie-rod ends (Heim joints) and limiting straps. These parts are “consumables” and designed to wear as a normal part of their duty cycle, therefore they are not considered defective when worn. The aforementioned products are warranted separately against defects in workmanship, for 60 days from the date of purchase. As a condition of warranty validation, respective Cognito suspension components must be installed as a complete system (not combined with non-Cognito hardware or ancillary parts). Any substitutions or omission of required components will void the warranty. Some minor cosmetic wear and imperfections may occur to parts during shipping, which is not covered under this warranty. This limited warranty does not apply to any components that have been subjected to collision damage, negligence, alteration, abuse, or misuse, and coverage does not extend to products manufactured by third-party companies. Cognito reserves the right to supersede, discontinue, or change the design, finish, part number and/or application of its parts when deemed necessary, without notice.

Return Policy

Product returns will not be accepted without prior written approval from an authorized Cognito representative. All products being returned must be shipped via trackable, prepaid freight. Returned products are subject to a 25% percent restocking fee. The eligible return period for products purchased directly from Cognito is 30 days from the verified date when the product(s) were originally received by the purchaser.

Product Safety Advisory

The installation of Cognito steering and suspension components will modify your vehicle’s original factory equipment and geometry, which may cause it to handle differently than a stock (unaltered) vehicle. Installation of these components is not intended to strengthen nor reinforce the vehicle’s frame, nor are they designed to increase rollover protection. It is necessary to periodically inspect all suspension and drive train components for proper attachment, torque specifications, operation, and for any potential unusual wear or damage. Installation of these parts will modify the height of the vehicle and may raise the center of gravity. Modifying vehicle height combined with off road operation may increase your vehicle’s susceptibility to rollover conditions, which may cause serious injury or death. Many states regulate allowable vehicle height modifications, and it is your responsibility to know and comply with the legal requirements specified by the laws where you reside. Modifications to your vehicle’s ride height may also affect the ride quality, driver input response, trackability and handling, and wear to your vehicle’s suspension components and tires.