

Cognito Upper Radius Rod Kit for 2018-2021 Polaris 2 or 4 Seat RZR XP Turbo S

INSTALL INSTRUCTIONS:

Cognito Upper Radius Rod Kit for 2018-2021 Polaris 2 or 4 Seat RZR XP Turbo S
SKU: 360-90626

PARTS LIST FOR SKU: 360-90626

QUANTITY	PART #	DESCRIPTION
8	6292	Radius Rod Misalignment Spacer
2	8605	Adjustable Upper Radius Rod



PARTS LIST FOR SKU: 8605

QUANTITY	PART #	DESCRIPTION
2	HARDWARE-36266	3/4" – 16 Jam Nut
2	JAM-NUT-SJNL12	3/4" – 16 Jam Nut, Left Hand Thread
2	RODEND-JMX12T	JMX12T (3/4") Rod End
2	RODEND-JMXL12T	JMX12T (3/4") Rod End, Left Hand Thread

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.

INTRODUCTION

The Cognito OE Replacement Adjustable Upper Straight Radius Rod Kit is adjustable and designed to be a direct OE replacement. These radius rods are constructed using Chromoly tubing and rod ends. The Cognito radius rods drastically increase strength without adding any weight over the OE radius rods. The OEM Polaris radius rods, under heavy duty use, are prone to bending and wearing out the bearings in the ends which become sloppy. A bent or broken radius rod can cause damage, sometimes bending or breaking rear axles, rear cv joints, trailing arms, rear shock shafts, and sway bar end links. Please note, it is highly recommended to use the Cognito Radius Rod Cage in place of the stock radius rod plate with this product.



TECHNICAL INFORMATION

- Installation requires a qualified mechanic.
- Follow the OE specifications when replacing or re-installing OE fasteners, retainers, and hardware specified in the OEM manual.
- Always wear safety glasses when using power tools.
- When a lift is required to perform the installation of these products and always ensure the vehicle is properly supported before attempting installation or serious injury may occur.

REQUIREMENTS

- Read instructions carefully and study the pictures (if included) before attempting installation.
- If this product was purchased as part of a kit each kit, and options to kits, are packaged separately. Therefore installation procedures are covered in separate instructions. Familiarize yourself with each specific set of instructions before beginning.
- Check the parts and hardware packages against the parts list to assure that your kit is complete before starting.
- Tools: (if known)



INSTALLATION

1. Retain all removed hardware for re-use when installing the Cognito Long Travel Radius Rod Kit.
 - If your OE hardware is damaged contact the Cognito sales team for new hardware.
2. Raise the rear of the vehicle up and support using the frame so that the suspension droops out and tires are off the ground by at least an inch.
3. Remove rear tires.
4. Remove the fasteners holding the outer ends of the upper radius rods to the spindle bearing carriers, and the inner ends from the chassis and sandwich plate. Remove the upper radius rods and set them aside.
5. Locate the 2 8605's, Adjustable Upper Radius Rods. Ensure the jam nuts are fully threaded up onto the rod ends and the rod ends are fully threaded down into the radius rod. Unscrew each rod end one turn, then tighten the jam nuts making sure both rod ends are aligned on each bar. This setting will put the rear camber at zero degrees. If you wish for slightly negative camber, you may adjust these shorter.
 - It is difficult to tighten these jam nuts when installed on the car, and we don't want the length to change on the upper radius rods, therefore we recommend tightening the jam nuts on the bench/vise prior to installing on the car.
6. Now install the radius rod assemblies, using a 6292 spacer on each side of each rod end. Installation is reverse of the removal in Step 4, Torque fasteners to 75 ft.-lbs.
7. Install the rear wheels and torque the lug nuts to 120 ft.-lbs.



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.