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Cognito Long Travel Suspension Kit with Cognito Top Shock 2.0" shocks for 2009 – 2021 Polaris RZR 170

INSTALL SUMMARY SHEET:

Cognito Long Travel Suspension Kit with Cognito Top Shock 2.0" shocks for 2009 – 2021 Polaris RZR 170
SKU: 460-P1169

PARTS LIST FOR SKU: 460-P1169

QTY.	PART #	DESCRIPTION
1	360-90075	2009-2021 Polaris RZR 170 Camber Adjustable Long Travel Front Control Arm Kit
1	360-90076	2009-2021 Polaris RZR 170 Long Travel Tie Rod Kit
1	360-90096	2009-2021 Polaris RZR 170 Long Travel Break Line Kit
1	460-91160	Cognito Top Shock 2.0" Remote Reservoir Kit, Front & Rear
1	460-90749	2009-2021 Polaris RZR 170 Long Travel Axle Shafts



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

Thank you for Purchasing the Cognito Long Travel Suspension Kit for the 2009 – 2021 Polaris RZR 170. This kit increases the trackwidth of the vehicle six inches, three inches per side. This kit features camber adjustment, using a turnbuckle to easily adjust the camber of the front tires. The single control arm design of the RZR 170 front suspension, being able to easily adjust camber is critical. The increased trackwidth makes the car more stable, and the added travel increases the vehicle capabilities.

TECHNICAL INFORMATION

- Only the shocks supplied in this kit can be used with this long travel package.
- Proper vehicle lifting equipment is required. Always make sure the vehicle is properly supported and **never work under an unsupported vehicle.**
- Check the parts and hardware packages against the parts list in each instruction set to assure that your kit is complete.
- Be sure to read though all install instructs include with this kit prior to attempting instillation and heed all warnings, failure to comply with all warnings and requirements can lead to an accident and serious injury.



This Kit Install Summary will guide you through the **necessary order of steps** to install each of the individual components that comprise this kit in the required sequence to safely complete full and proper installation.

The proper installation of this combination of products is dictated by the necessary sequence in which each component must be installed to avoid access, interference or clearance issues that will result in unnecessary disassembly and reassembly and potential safety hazards.

This document will guide you through the sequence of operations, which includes preparatory work and the prescribed order for installing components – by referring you to the individual instructions packaged with each Cognito component for detail on how each kit component is properly installed.

YOU MUST FOLLOW THESE STEPS IN SEQUENTIAL ORDER FOR PROPER INSTALLATION OF THIS KIT.

REVIEW TECHNICAL NOTES AND REQUIREMENTS OF THE INDIVIDUAL INSTALLATION INSTRUCTION SHEETS INCLUDED WITH THIS KIT BEFORE BEGINNING.

INSTALLATION

1. Begin by locating the 3 instruction sheets **7097**, **7098**, and **7397** included with this kit. You will need them **all** to do this install. If instructions are missing or damaged, contact Cognito Motorsports for where to find replacements.
2. Start with instruction set **7097**. Check to make sure you have all parts on the parts list. Work through until both Cognito control arm assemblies are installed on to the vehicle, stop at this point.
3. Refer to instruction set **7397** to install the Fox front shocks supplied with the kit. Check to make sure you have all parts on the parts list. Work on the instructions until the front shock are installed, stop at this point.
4. After front Fox shocks are installed, use instruction set **7098** to install the Cognito long travel tie rods. Check to make sure you have all parts on the parts list. Work though until the tie rods are installed and torque down on the vehicle.
5. Refer back to instruction set **7097**, continue from where the install left off. Work until instructed to reinstall the wheels, stop at this point.
6. Refer back to instruction set **7397**. Continue from where the install left off, working thought until the rear tires have been removed
7. Install the new Demon Powersports +3" axle. The axle is a direct replacement for the OEM unit. All existing hardware will be reused.
 - **NOTE:**
If axle installation assistance is needed, please refer to the Polaris Service Manual.
8. Refer back to instruction set **7397** to install the Fox rear shocks supplied with the kit. Continue from where the install left off, working thought the install sheet until completion.
9. Refer back to instruction set **7097**. Continue from where the install left off, working thought the install sheet until completion.

This completes the installation steps, enjoy your new Cognito Long Travel Suspension Kit!



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 warrantied 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.