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Cognito 3" Elite Leveling Kit with King 2.5" Shocks for 2022+ Toyota Tundra with Load-Leveling Rear Height Control Air Suspension

INSTALL SUMMARY SHEET:

Cognito 3" Elite Leveling Kit with King 2.5" Shocks for 2022+ Toyota Tundra with Load-Leveling Rear Height Control Air Suspension
SKU: 535-P1227

PARTS LIST FOR SKU: 535-P1227

QTY.	PART #	DESCRIPTION
1	535-91209	King 2.5" Front Coilover Kit with Compression Adjusters for 2022+ Toyota Tundra
1	535-91210	King 2.5" Rear Smooth Body Shock Kit with Compression Adjusters For 2022+ Toyota Tundra
1	135-91229	Cognito Ball Joint Upper Control Arm Kit for 2022+ Toyota Tundra
1	HP9329	Rear Ride Height Sensor Bracket Hardware Pack for 2022+ Toyota Tundra



PARTS LIST FOR SKU: HP9329

QTY	PART #	DESCRIPTION
2	3061	Rear Ride Height Sensor Bracket
2	HARDWARE-M6-1.0X16-FB	M6-1.0X16 Flange Bolt
2	HARDWARE-M6-FLNUT	M6-1.0 Nylon Insert Flange Lock Nut

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 Elite Leveling Kit. This kit is designed to level your vehicle and provide added droop travel. This kit includes Cognito upper control arms, rear ride height sensor brackets, and brake line extension brackets. This kit also includes King 2.5 remote reservoir coilover front and rear shocks with compression adjuster ensuring improved ride quality and satisfaction.

TECHNICAL INFORMATION

- 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 instructions included with this kit prior to attempting installation and heed all warnings, failure to comply with all warnings and requirements can lead to an accident and serious injury.
- This kit is equipped with ride-height adjustable coilover front shocks. If after the installation a ride height adjustment is required, to either raise/level the vehicle to the proper front lift height or to lower the vehicle to achieve the minimum 3" of droop travel, then refer to the included King shock instructions to safely adjust pre-load.
 - To reach the recommended lift height of 3" the droop travel should be set to 3.25".
 - Each 1/8" of spring preload is approximately equal to 1/4" of ride-height adjustment.



This Kit Install Summary will guide you through the necessary order of steps to install each of the individual components that comprise this kit.

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 following instruction sheets **7424**, and the installation instructions packaged with the front and rear shocks 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 **7424**. Check to make sure you have all parts on the parts list. Work through until instructed to remove the OEM upper control arm.
3. Refer to instruction set included with the front shocks to install the King 2.5" front coilover shocks. Work through until instructed to connect the upper control arm, and then return to instruction set **7424**.

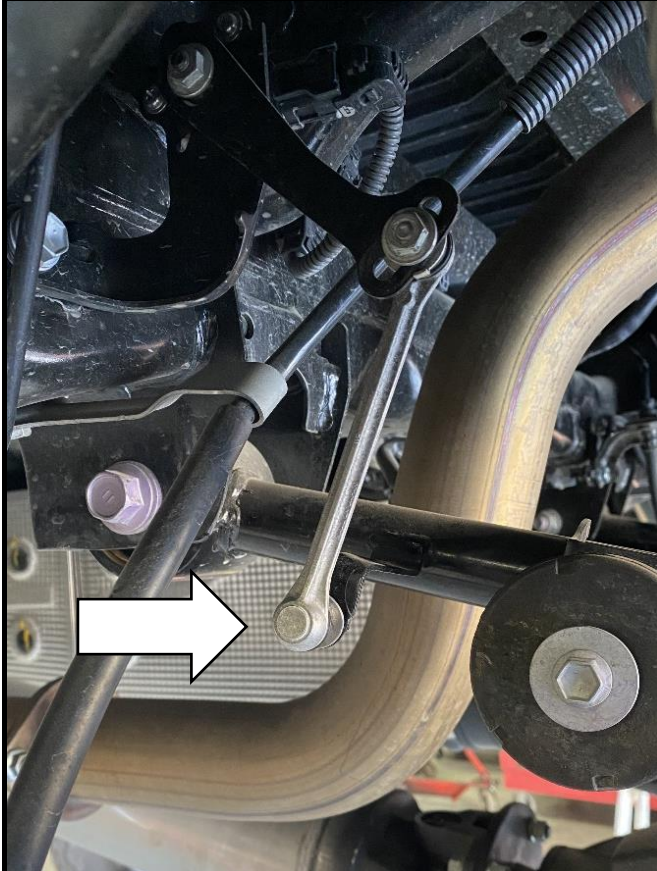
Note: Some steps in instruction set **7424** and the King instructions may be identical.

4. Continue with instruction set **7424** until instructed to reattach the wheels.
5. Move to the rear King shocks instructions set. Work through completely.
6. Install 1x **3061** rear ride height sensor bracket from **HP9329** on each side of vehicle.
 - a. Remove the nut attaching the ride height sensor linkage to the upper control arm.
 - b. Attach 1x **3061** Ride Height Sensor Bracket to the inboard side of the upper control arm using the included **M6** hardware from **HP9329**.
 - c. Reattach the ride height sensor linkage to the ride-height sensor bracket **3061** using the OEM nut.

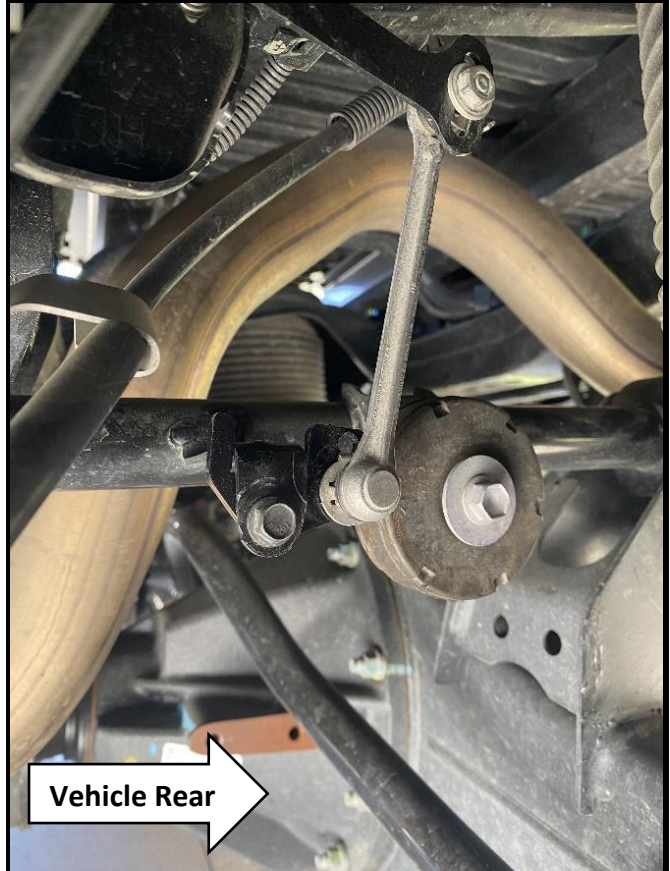
Note: Each hole on the ride height sensor bracket equates to roughly 0.5" of rear lift. It is recommended to start with the ride height sensor linkage positioned in the middle hole and then adjust as desired. Fine tuning of rear ride height can be done using the slot at the top of the ride height sensor linkage.

INSTALLATION (CONTINUED)

Figure 1: Remove ride height sensor linkage from upper control arm. Driver side shown.



*Figure 2: Install **3061** Ride Height Sensor Bracket. Driver side shown.*



7. Return to instruction set **7424**. Follow instructions for setting ride height of vehicle.

This completes the installation steps, enjoy your new Cognito 3" Elite Leveling 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 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.