

# START HERE

Install Sheet #8163 | Cognito 3" Elite Leveling Kit for 2011-2019 GM 2500/3500 2WD/4WD Trucks | SKU: 210-P0932



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**INSTALL SUMMARY SHEET:**  
Cognito 3" Elite Leveling Kit  
for 2011-2019 GM  
2500/3500 2WD/4WD  
Trucks  
SKU: 210-P0932



## PARTS LIST FOR SKU: 210-P0932

QTY.	PART #	DESCRIPTION
1	110-90298	Ball Joint SM Series Upper Control Arm Kit
1	110-90270	Torsion Bar Keys
1	110-90698	Forged Pitman and Idler Arm Support Kit for 2011-2019 GM 2500HD / 3500HD 2WD/4WD trucks.
1	210-90923	Fox Performance Elite Series 2.5" Reservoir Front Shock Kit
1	210-90924	Fox Performance Elite Series 2.5" Reservoir Rear Shock Kit

## 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.

## TECHNICAL INFORMATION

- Proper vehicle lifting equipment is required. Always make sure the vehicle is properly supported and **never work under an unsupported vehicle.**
- Torsion bar unloading tool is needed.
- Check the parts and hardware packages against the parts list in each instruction set to assure that your kit is complete.

## 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 also includes Fox Performance Elite Series 2.5" Reservoir Shocks for all 4 corners ensuring improved ride quality and satisfaction. The Cognito Pitman and Idler Arm Support Kit is also included and prevents unwanted movement of the steering center link, providing a more stable and accurate steering response.

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 work to prepare for the installation 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 **7054, 7037, and 7271** included with this kit. You will need **all** of them to do this install. If instructions are missing or damaged, contact Cognito Motorsports for where to find replacements.

### **Component Instructions Sequence (A) Install Pitman and Idler Arm Support Kit:**

2. Lift the vehicle by the frame until the wheels are off the ground. If no lift is available, use a jack and jack stands in a safe fashion. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE.**
3. Remove the front wheels.
4. Locate instruction set **7271**, start at the beginning and work all the way through until completion

### **Component Instructions Sequence (B) Install Front Lift Components:**

5. Start with instruction set **7037** and work through until both torsion bars are unloaded.
6. Next use instruction set **7054**. Start at the beginning and follow through until the OEM upper control arms have been removed, the ball joints and bushings have been installed in the new Cognito arms, and the service perch has been cut off but **stop** there.
7. Support the lower control arm using a jack or jack stand in a safe fashion because the front shock is all that is holding it in place now. Never remove shocks while the torsion bars are loaded. Remove the OEM shock using a 21mm wrench or socket. Do this on both sides of the vehicle and save the lower shock mounting hardware.

8. Locate the provided front Fox Shocks 210-90923 and follow the supplied Fox instructions for installation of the front shocks.
9. Now refer back to instruction set **7054** and start where you left off (the ball joint and bushings should be installed at this time and the service perch should be cut off). Work through **7054** until **both** Cognito upper control arms are fully installed but **stop** there.
10. Reference instruction set **7037** and install the new Cognito keys. Work through **7037** until completion and the ride height is properly set but reference instructions **7054** for the alignment guidelines.
11. Locate the provided rear Fox Shocks 210-90924 and follow the supplied Fox instructions for installation of the rear shocks.

***This completes the installation steps, enjoy your new Cognito 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.