

# START HERE

Cognito 1-Inch Performance Leveling Kit with Elka 2.0" Shocks for 2019-2022 Silverado/Sierra 1500 AT4 and Trail Boss Models

## INSTALL SUMMARY SHEET:

Cognito 1-Inch Performance Leveling Kit with Elka 2.0" Shocks for 2019-2022 Silverado/Sierra 1500 AT4 and Trail Boss Models  
SKU: 210-P1140

## PARTS LIST FOR SKU: 210-P1140

QTY.	PART #	DESCRIPTION
1	110-90784	Press In Ball Joint SM Series Upper Control Arm Kit
2	510-91089	Elka Front 2.0" IFP Coilover Shock
2	510-91107	Elka Rear 2.0" IFP Shock



## 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 1" Performance Leveling Kit. This kit is designed to lift and level your vehicle and provide added droop travel with the Cognito Sheet Metal Series Upper Control Arm Kit that uses a press in style ball joint. This kit also includes Elka 2.0 IFP coilover front shocks and Elka 2.0" IFP Shocks in the rear for added adjustability and to ensure improved ride quality and satisfaction. The AT4/TrailBoss models are lifted 2" in front and rear from the standard models, this kit will bring the front up one more inch and add droop travel for a level stance and a great ride quality.

## TECHNICAL INFORMATION

- **Only for AT4 and Trail Boss Models**
- Allows for up to a 34 x 11.5-12.0 Inch or 35x11-inch Tire on a 9-inch Wide Wheel with 5-Inch Backspacing
- The cutting and drilling of some OEM frame components is required.
- 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.



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 **2** instruction sheets, **7238 & 8148** 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. Rack the vehicle and lift it off the ground, or if no hoist is available then jack front of truck off the ground and support properly with jack stands.
  - **NEVER WORK ON AN UNSUPPORTED VEHICLE.**
3. Next support the rear axle and remove the OEM shocks, retain the hardware.
4. Now locate the provided rear shocks **510-91107**. Install them using OEM hardware and torque to **85 ft-lb**. It is easiest to first install the upper mount and push the shock together slightly compressing it to install the lower mount.
5. Start working in the front by using instruction sheet **8148**. Start at the beginning and work through until the OEM upper control arms have been removed and the service perch has been cut off.
6. Next, support the lower control arm and remove the OEM front struts. Discard the 6 OEM upper strut nuts but save the lower shock mounting hardware.
7. Now locate the provided front shocks in this kit, **510-91089**, and install them. Use the provided M10 fasteners for the upper strut mount, torque to **45 ft-lb**. Use the OEM lower hardware and torque to **40 ft-lb**.
8. Once the coilover shocks are fully installed, reference instructions **8148** and pick up where it left off installing the Cognito UCAs and follow to completion.
9. Follow alignment guidelines in instruction sheet **8148**.
10. Follow instruction sheet **7238**, Cognito Instructions for Trimming Fender Wells, if trimming of the fender well is needed to support larger tires and wheel combos.

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