

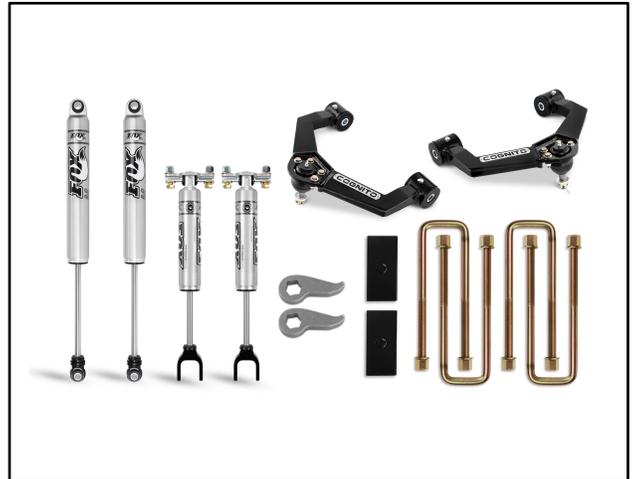
# START HERE

Install Sheet #7251 | Cognito 3" Performance Ball Joint Leveling Lift Kit for 2020 GM 2500HD/3500HD 2WD/4WD Trucks | SKU: 110-P0883



34935 Flyover Ct. Bakersfield, CA 93308  
Phone: (661) 588-8085 | Fax: (661) 588-8295

**INSTALL SUMMARY SHEET:**  
Cognito 3" Performance Ball  
Joint Leveling Lift Kit for 2020  
GM 2500HD/3500HD  
2WD/4WD Trucks  
SKU: 110-P0883



## PARTS LIST FOR SKU: 110-P0883

QTY.	PART #	DESCRIPTION
1	110-90761	Ball Joint SM Series Upper Control Arm Kit
1	110-90771	Torsion Bar Keys
2	210-90774	Fox 2.0 (PSMT) Single Front Shock (Performance Series Mono Tube). NOTE: Only for use with Cognito upper control arms.
2	210-90212	Fox 2.0 (PSMT) Single Rear Shock for 0-1" lift height
1	110-90171	1" Block and 14.5" U-bolt 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.

## INTRODUCTION

Thank you for purchasing the Cognito 3" Performance Ball Joint Leveling Lift Kit. This kit is designed to lift your vehicle 3" in the front and 1" in the rear and provide added droop travel with the Cognito Ball Joint Sheet Metal Series Upper Control Arm. This kit also includes Fox 2.0 Performance Series Shocks for the front and rear to ensuring improved ride quality and satisfaction.

## TECHNICAL INFORMATION

- This leveling kit may only be installed on a truck that has not already been leveled. You cannot stack leveling kits or shock spacers.
- Only the shocks supplied in this kit can be used with this leveling package.
- **This INSTALL SUMMARY SHEET will guide the installer through the proper order of steps to install the individual components that comprise this package leveling kit, by referring to the specific Instruction Packets provided with each Cognito component.**
- This kit requires advanced mechanical procedures that should only be performed by a qualified mechanic.
- Read each set of instructions carefully and study the pictures before attempting installation.
- Check the parts and hardware packages against the parts list in **each** instruction set to assure that your kit is complete.
- Cutting of the service perch under the front upper arm frame pivot is required.
- Unloading the torsion bars is required.

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 **7221**, **7037**, and **7024** included with this kit. You will need them **all** to do this install. If instructions are missing or damaged, contact Cognito Motorsports for replacements.
2. Start working in the rear with instruction set **7024**. Start at the beginning and follow to completion but use the rear shocks provided with this kit **210-90212**. Use the OEM hardware and torque spec for the new shocks (85 ft-lb). Use a 21mm wrench or socket.
3. Start working in the front with instruction set **7037**. Start at the beginning and work through the steps until **both** torsion keys are unloaded and the adjuster screw nuts are removed.
4. Now reference instruction set **7221**. Start with the removal of the OEM upper control arms and work through until the Cognito upper control arms are fully assembled and the service perch has been cut off but stop before installing the new arms.
5. Use a jack or jack stand to support the lower control arm and 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.
6. Locate the provided front Fox Shocks **210-90774** and start by installing the lower shock mount using the OEM hardware. If there is a  $\frac{1}{4}$ " shock spacer included with the Fox shock, use it along with the provided  $\frac{1}{2}$ " hardware to install the upper shock mounts. If no spacer is included, install the upper shock mounts using only the  $\frac{1}{2}$ " hardware. Torque the  $\frac{1}{2}$ " hardware to 50ft-lb using a  $\frac{3}{4}$ " socket and the lower shock mounts to the factory specification 89 ft-lb. Stacking or adding spacers that are not permitted will cause damage to the vehicle.
7. Pick up where you left off from instruction set **7221** and continue until both Cognito upper control arms are fully installed and greased but stop there.
8. Refer to instruction set **7037** where you left off (installing the Cognito torsion keys) and work through to the end setting the ride height but use **7221** for alignment guidelines.

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