



## **Cognito Motorsports, Inc. emergency brake cable extension kit for 2011-present GM 2500HD, 3500HD**

### **Introduction**

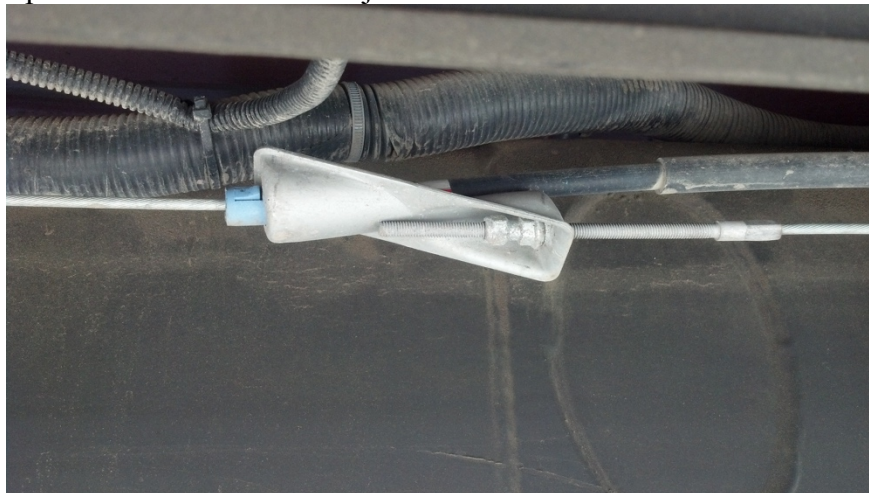
- Installation requires a qualified mechanic.
- Read instructions carefully and study the pictures (if included) before attempting installation.
- Check the parts and hardware packages against the parts list to assure that your kit is complete.
- Always wear safety glasses when using power tools. Some cutting is required.

### **Parts List**

- 1713 cable housing retainer bracket
- (2) M6x1.0 hex nut
- M6x1.0 coupling nut
- M6x1.0 all thread, 3.3/4" long

### **Installation Instructions**

1. The emergency brake cable adjuster is located on the outside of the frame rail on the driver side, at the point roughly where the back of the cab meets the bed. If you are installing this kit, by now you probably know where this is. If at full droop of the rear tires, the e-brake cable is too short, then you need to install this kit to move the cable housing rearward. See Figure 1 for a picture of the cable and adjuster in stock form.



**Figure 1: stock**

2. The adjuster nut must be removed, measure the amount of thread of the stud hanging out before removing the adjuster nut, as this is the amount it will need to be threaded back onto the extension piece. Once apart, un-fasten the cable housing retainer cap from the frame tab, it simply has a couple clips shown in Figure 2 that need to be pressed in to pop out of the frame hole.



**Figure 2: squeeze the plastic tabs in to remove the cable end cap from the frame.**

3. This cable housing end cap will move rearward to the next frame tab. Back the cable out of the original hole, pass it thru the large hole of the 1713 bracket included, then thru the slot in the next rearward frame tab. Transfer mark the small hole, then drill a 1/4" hole in the frame and bolt the 1713 bracket to the frame as shown in Figure 3.



**Figure 3**

4. Now thread one of the supplied hex nuts onto the cable threaded adjuster end. Then thread the supplied coupling nut onto the cable threaded end up to the half way point in the coupler nut. Then thread the other supplied hex nut onto the supplied threaded rod, and thread the rod half way into the other end of the coupler nut. Now jam the 2 nuts against the coupler. See Figure 4
5. Re-assemble the newly extended cable into the adjuster and thread the stock adjuster nut on. Check the e-brake adjustment by applying the brake, it should get tight toward the bottom of the stroke of the pedal. If not adjust accordingly. See Figure 4



**Figure 4: Completed installation. Adjust accordingly.**

## **Cognito Motorsports**

### **Limited Lifetime Warranty**

Cognito Motorsports warrants, to the original retail purchaser, that its suspension products are free from defects in workmanship and material for as long as the purchaser owns the vehicle on which the product was originally installed. Cognito Motorsports does not warrant the product for finish, alterations, modifications, and/or original installation contrary to specifications of Cognito Motorsports. Cognito Motorsports suspension products are not designed nor intended to be installed on vehicles used in race applications or for racing purposes or for similar activities involving abnormal abuse other than the vehicle was originally designed to handle or endure. (A "RACE" is defined as any contest between two or more vehicles, and/or contest of one or more vehicle against the clock, whether or not such contest is for a prize.)

This warranty is for a one-time replacement of each Cognito Motorsports product and does not cover any part that Cognito Motorsports has previously replaced under this warranty. This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warrant are sales outside of the United States of America. Alterations to the finish of the parts including but not limited to painting, powder coating, plating, and/or welding will void all warranties. Cognito Motorsports obligation under this warranty is limited to the repair or replacement, at Cognito Motorsports option of the defective product. Any and all costs of removal, installation or re-installation, freight charges, incidental or consequential damages are expressly excluded from this warranty.

This warranty excludes the following items: bushings, bumpstops, tie-rod ends, limiting straps, and heim joints. These parts are subject to wear and are not considered defective when worn. They are warranted for 60 days of purchase for defects in workmanship. Cognito Motorsports suspension components must be installed as a complete system. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty. This warranty shall not apply to any product that had been subject to accident, negligence, alteration, abuse, or misuse. Cognito Motorsports does not warrant products not manufactured by Cognito Motorsports. Cognito Motorsports reserves the right to supersede, discontinue, or change the design, finish, part number and/or application of parts when deemed necessary by Cognito Motorsports without written notice, and in the sole and absolute discretion of Cognito Motorsports.

### **Warranty Claims**

All warranty claims must be submitted through the original company of purchase. All claims must be shipped back to the original company of purchase with an approved RMA number listed as a reference on the shipping label and clearly printed on two opposing sides of the package(s); product in question must be inspected by Cognito Motorsports before replacement parts are shipped out.

### **Return Policy**

Cognito Motorsports has a no refund return policy. Under special circumstances, returns might be accepted with prior written approval. All returned product will be shipped freight prepaid. Product returned is subject to a 25% restocking fee. No returns will be accepted after 30 days upon receipt of product.

### **Product Consumer Safety and Warning**

The installation of this kit will modify the suspension of your vehicle and may cause it to handle significantly different than a factory equipped vehicle. Installing larger tires with modified suspension and increased ground clearance will significantly alter the handling characteristics of the vehicle, and may result in increased braking distances as well as changes in vehicle maneuverability and handling compared to the factory equipped vehicle. As with any vehicle, extreme caution and care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts and drive safely, recognizing the reduced speeds and specialized driving techniques is required.

This suspension system will not strengthen nor reinforce the stock frame of the vehicle, nor will it increase rollover protection. It is necessary to periodically inspect all suspension and drive train components for tightness of fit or any damage. Installation of these parts will modify the height of the vehicle and will raise the center of gravity. Altered height modifications and off-road operation may increase your vehicle's susceptibility to roll over conditions and may cause serious injury or death. Many states regulate the height modification to each vehicle. Check the laws in your state for exact specifications. Height modifications may affect the reaction, ride, handling, and wear factor of your vehicle's components.

**Failure to drive this vehicle safely may result in injury or death!** Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications and combinations of modifications are not recommended, unsafe, and may not be permitted in your state. Consult your vehicle owner's manual, the instructions accompanying this product, and your state laws before undertaking these modifications. The owner of the modified vehicle and the qualified mechanic required to install this product are responsible for the legality and safety of the vehicle being modified.