Instruction Set # 7032

Cognito Motorsports, Inc., GM 2001-2010 8-Lug Truck Rear Sway Bar Kit

Introduction

- This application is for stock and lifted 2001-present GM 8-Lug Trucks.
- **Must also use a heavy duty front sway bar along with this rear bar kit to have a balanced vehicle. Failure to balance the anti sway in the front along with the rear of the vehicle will cause very dangerous vehicle handling characteristics and high risk of spin out!**
- Interference with fifth wheel hitches is a possibility and should be determined prior to attempting installation.
- Installation requires a qualified mechanic.
- Read instructions carefully and study the pictures before attempting installation.
- Check the parts and any hardware packages against the parts list to assure that your kit is complete.
- Tools needed: 3/4" box end wrench, ¾" deep socket and ratchet.

Parts List

- Sway Bar
- (2) Sway bar bushing
- (2) 4" sway bar end link
- (2) Adjustable sway bar end link with male and female end
- (4) u-bolts
- Hardware Package HP9088
- (2) sway bar bushing u-clamp
- (4) Frame anti-crush sleeve
- (2) Leaf spring top plate
- (2) Under frame clamp plate
- Trailer brake controller relocation bracket

Installation Instructions

1. Insert sway bar in between the bed and top of frame rails toward the back of the rear fender well as shown in Figure 1 and 2.

2. Install the 2 sway bar bushings on to the bar, one above each frame rail. Then press the u-clamp onto the bushings. See Figure 3.

3. if the truck came with the factory trailer brake controller, the computer for it is located inside the frame rail on the driver side of truck next to the driver rear tire and above the rear axle. The unit will have to be relocated. Loosen the 3 screws holding it to the side of the frame rail. Use the factory screws and refasten it to the Cognito relocate bracket. Use the 4 sheet metal screws provided to screw it to the cargo bed support rail underneath the cargo bed.

4. Place the u-bolts over the bushing u-clamps as shown in Figure 4.

5. Install the frame anti crush sleeves onto each u-bolt and inside the frame rails as shown in Figure 5.

6. Use the ½" fine threaded locknuts and flat washers and install the Cognito under frame clamp plate onto the u-bolts as shown in Figure 6. Tighten to 50 ft/lbs while making sure the u-bolts keep good alignment on the frame.

7. With truck parked on level ground, apply the parking brake and use blocks or tire chocks to secure all the wheels.

8. Working on the driver side of the truck ONLY, loosen the u-bolts holding the leaf spring to the rear axle housing. Remove the top spring plate and replace with the Cognito Motorsports Leaf Spring Top Plate. Re-fasten the factory u-bolts tightening to 100 ft-lbs of torque. Now repeat this step on the passenger side of the truck. See Figure 7

9. If the truck is using the factory leaf springs, use the fixed length 4" long sway bar end links. If the truck is using aftermarket leaf springs with a minimum lifted height of 4", use the adjustable sway bar end links which will work with up to 10" lifted springs.

10. Press the polyurethane bushings and steel crush sleeves into the sway bar end links that will be used. If using the adjustable sway bar end links, thread the jam nut onto the male end, then using anti seize on the threads, screw the male end into the female end of the adjustable end link assembly. Approximate length from center to center of hole on the end link will be the amount of added lift height the aftermarket springs have over stock, plus 4". For example, 6" lifted springs would use a 10" center hole to center hole end link.

11. Attach the sway bar end link to sway bar and to the leaf spring top plate as shown in Figure 8 and 9 with the ½" bolts, washers, and coarse thread locking nuts provided. Torque to 70 ft/lbs.

12. If using the adjustable end links, tighten the jam nut on the male end of the end link against the female end of the sway bar end link.

13. Check to make sure there is ample clearance on top of the sway bar arm to clear the truck bed upon suspension compression. At ride height, the sway bar arm should be roughly in the position as shown in Figure 9.

Figure 1: sway bar placement

Figure 2: Sway bar placement

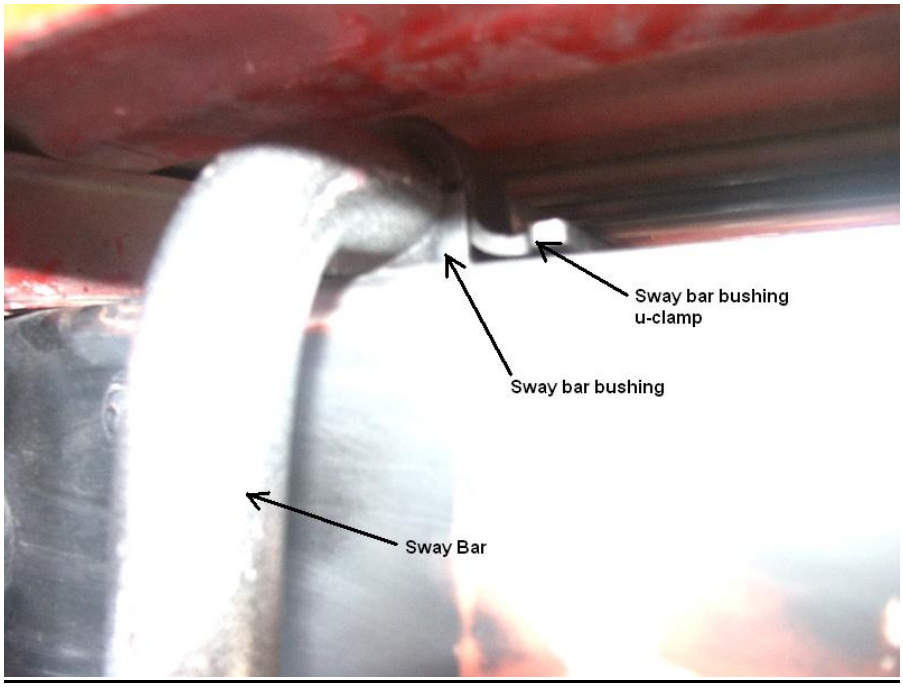

Figure 3: sway bar, u-clamp, and bushing

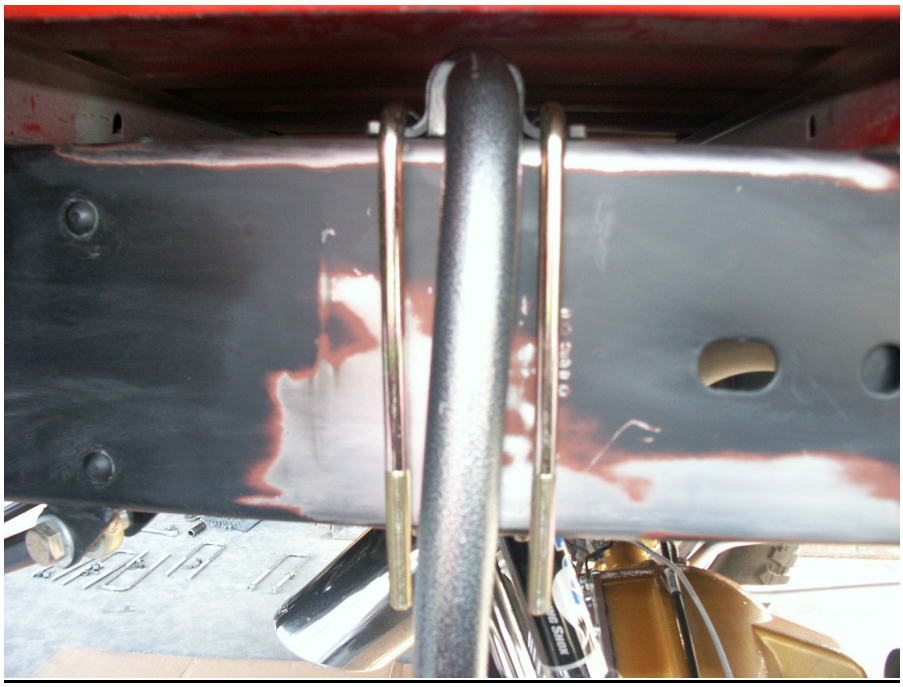

Figure 4: u-bolt placement

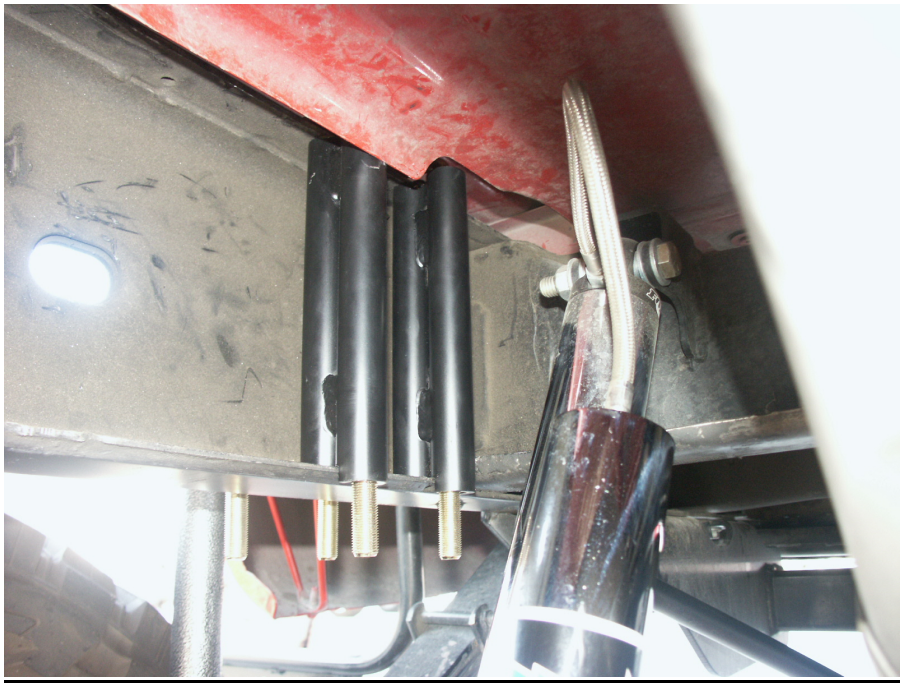

Figure 5: Frame anti crush sleeves on the u-bolts

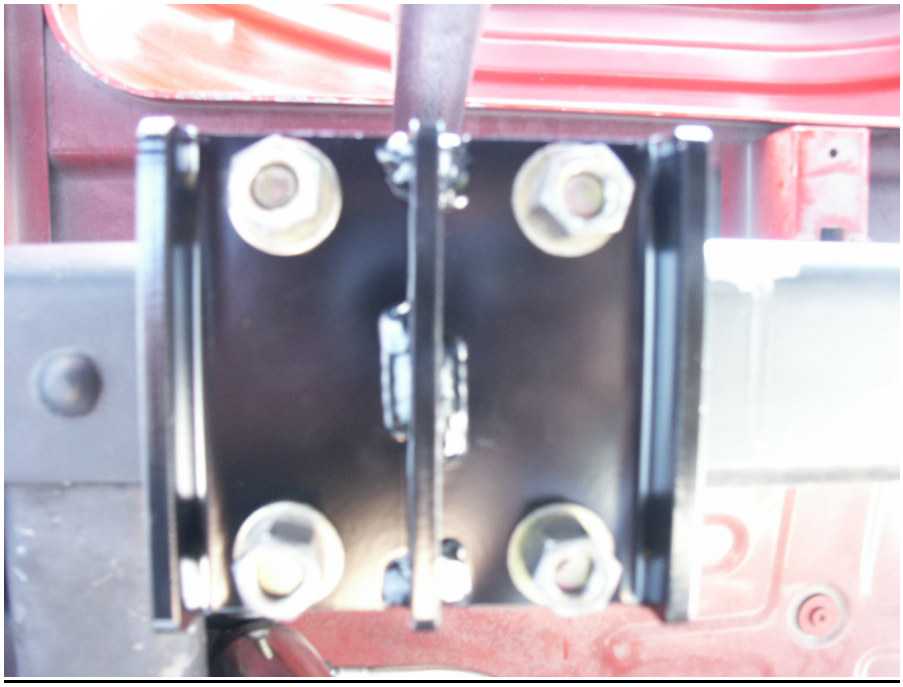

Figure 6: Under frame clamp plate

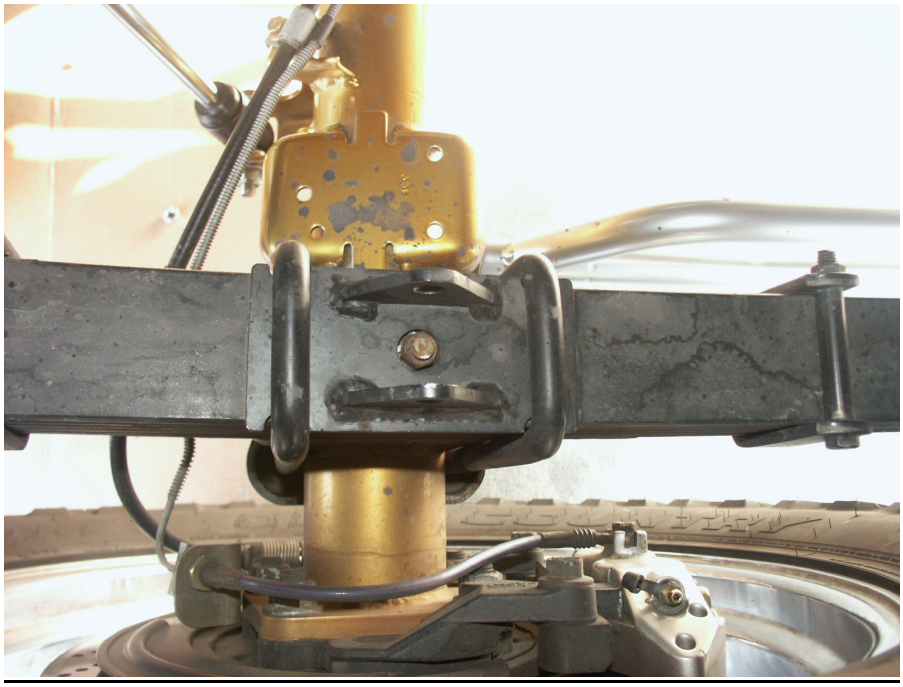

Figure 7: Leaf spring top plate

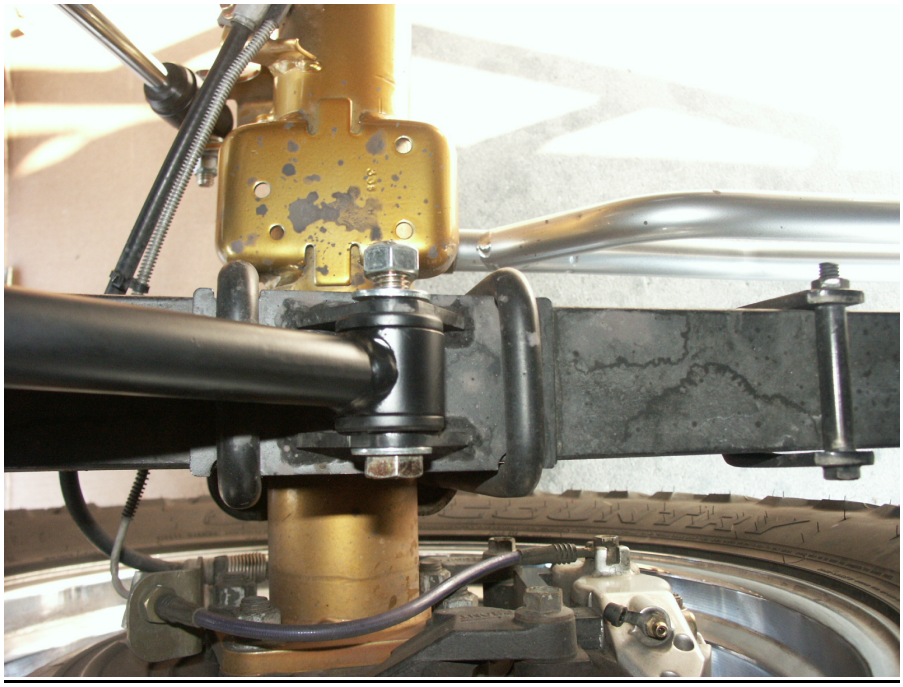

Figure 8: sway bar end link mounted to leaf spring top plate

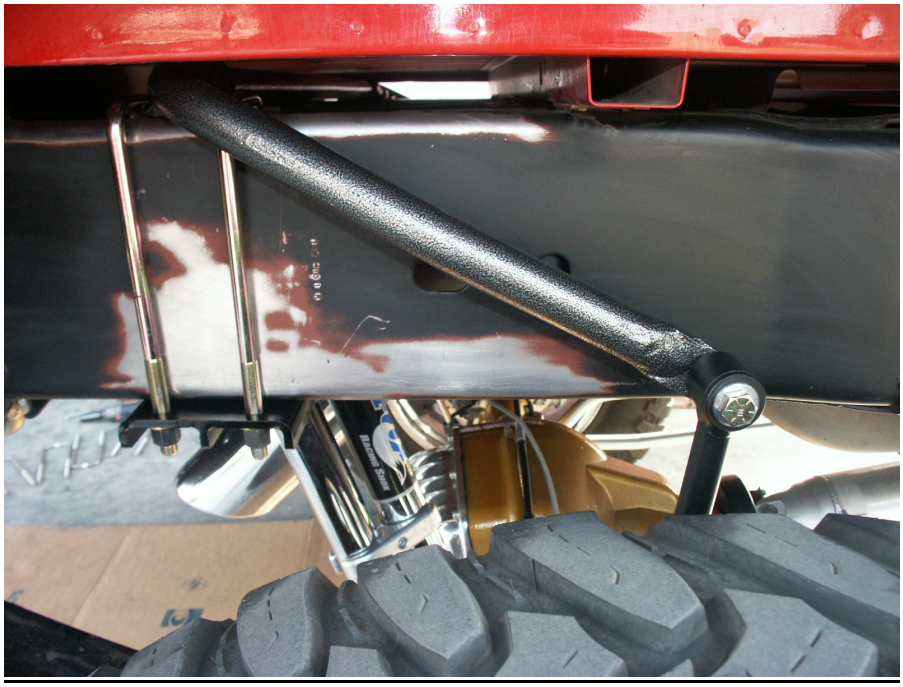

Figure 9: sway bar end link mounted to sway bar

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 hiem 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.