



## HARD CORE STEERING ★ SUSPENSION PRODUCTS

### GM 2001-2010 8-Lug Truck and SUV Pitman/Idler Arm Support Kit

#### Introduction

- This kit is for stock and lifted applications that use either the factory or Kryptonite steering center link in the factory location. Aftermarket steering stabilizers that do not mount in the factory location may interfere with this system.
- 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: 1 5/16" box end wrench, 24mm open end wrench, qty. 2 of 15/16" box end wrench, 15mm socket, 21mm deep socket, 21mm end wrench, 7/8" socket or box end wrench.

#### Parts List

- Pitman arm bracket
- Idler arm bracket
- (2) 9/16" lock washer
- (2) 3/4"-5/8" rod ends
- (4) 5/8" jam nuts
- (2) Fine thread shank nuts 14mmX1.5 (silver)
- (2) Coarse thread shank nuts 14mmX2.0 (normally gold)
- Thread locker



## **Installation Instructions**

1. If there is an existing skid plate and shroud at the front cross member of the vehicle, underneath the front of the engine, they should be removed with a 15mm socket to access the pitman and idler arms and set aside for re-installation later.
2. Unscrew the factory lock nuts that hold the drag link to the pitman and idler arms, using a 21mm deep socket, and discard them.
3. Unscrew the large nut holding the pitman arm to the steering box using a 1 5/16" boxed end wrench. Remove it and the large lock washer. Figure 5
4. Remove the nut holding the idler arm to the idler arm pivot with a 24mm boxed end wrench. On some vehicles, you may have to remove the two bolts (21mm) holding the pivot to the frame brackets in order to get the nut off the stud because of interference with the frame. Figure 3
5. Apply a small amount of thread locker on all of the threads on both of the 5/8"x 3/4" rod ends, then thread one 5/8" jam nut all the way on to both of the rod ends as shown in Figure 1. Then insert the rod end through the 5/8" diameter hole on both the pitman and idler arm brackets as shown in Figure 2. Now thread a second jam nut on to both rod ends, but do not tighten at this time.
6. Insert one lock washer over each of the drag link studs, and then install the pitman and idler arm brackets on to the pivot ends where hardware was previously removed in steps 3 and 4, at the same time place the rod end which is connected to the Cognito Motorsports brackets over the drag link studs so that the lock washer is in between the Cognito rod end and the drag link, as seen as Figure 4 and 6.
7. Re-install the factory lock nut on the pivot stud of the idler arm that was removed in step 4 and tighten the 2 bolts holding the pivot to the frame if previously removed. Re-install the factory lock washer and nut on the pivot shaft of the steering box that was removed in step 3. Do not tighten yet.
8. The gold shank nuts are for factory or coarse thread arms, and the silver shank nuts are for aftermarket or fine thread arms. Apply a small amount of thread locker on the threads of the shank nuts and insert a shank nut on to each of the drag link studs, passing through the rod ends

and locking against the lock washer and drag link. Jam each support bracket in between the jam nuts. Tighten shank nuts with 7/8" socket and jam nuts with both 15/16" boxed end wrenches, to 60 ft-lb. Figure 4 & 6

9. Tighten the factory hardware mentioned in Steps 3, 4 and 7 at this time. Hardware in step 4 should be tightened to 85 ft-lb. Hardware in Step 7 will not accommodate clearance to use a torque wrench, but need to be tightened as tight as possible with the box end of an end wrench, roughly 85 ft-lb on the idler arm side, and 120 ft-lb on the large pitman arm nut.
10. Re-install any other hardware or skid plate/shroud previously removed and tighten to factory specification.



Figure 1: thread first jam nut ALL THE WAY UP on the joint

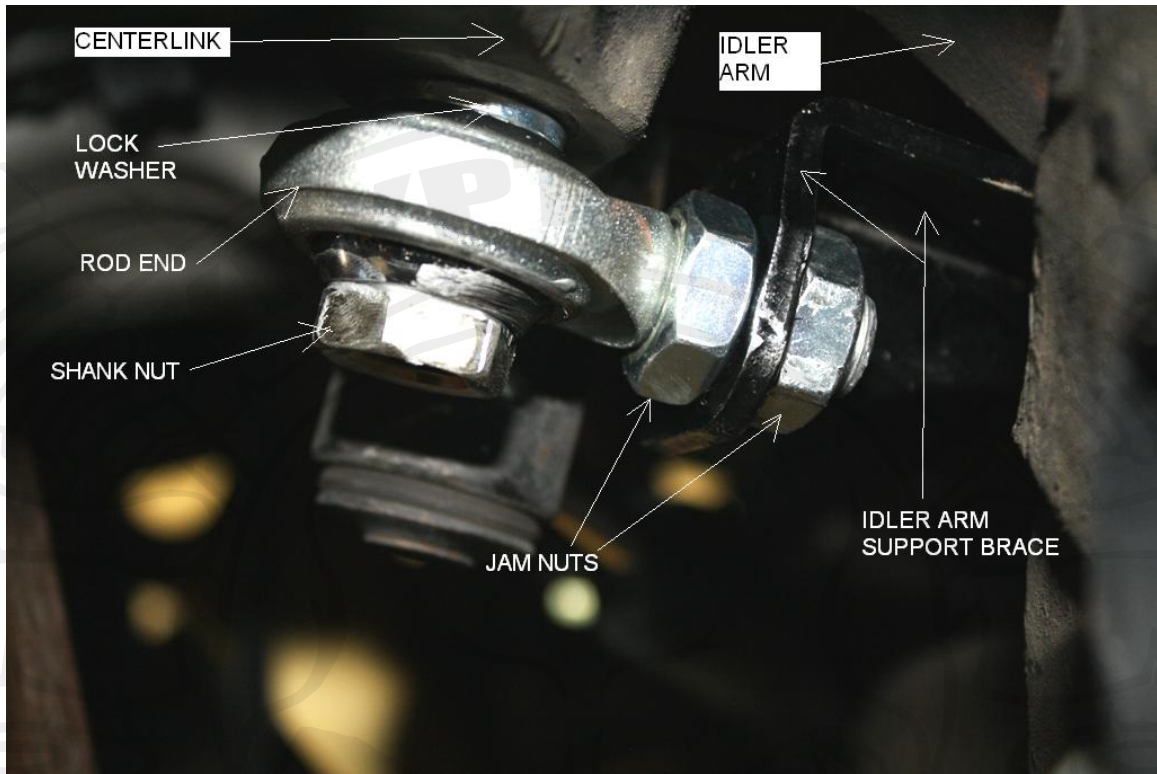


**Figure 2: idler arm bracket on left, pitman arm bracket on right**



**Figure 3: idler arm**





**Figure 4: idler arm bracket installed**



**Figure 5: pitman arm**

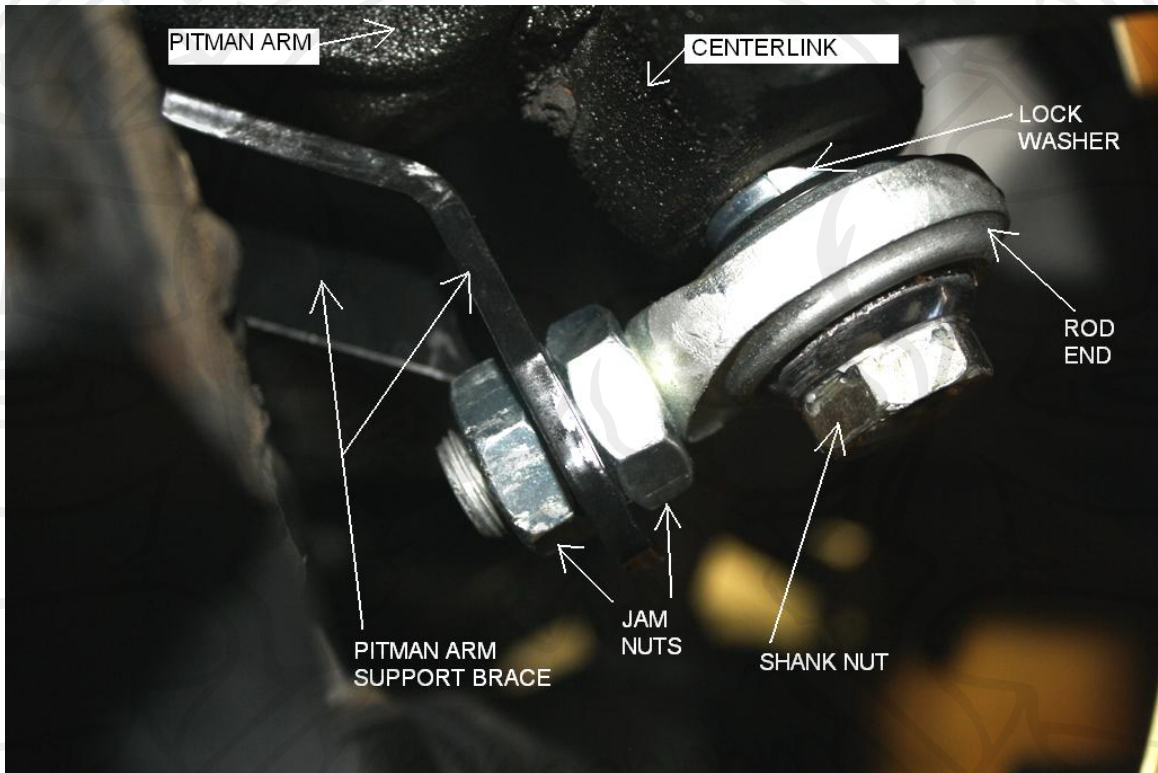


Figure 6: pitman arm bracket installed

## Warranty Coverage Details

\*Your product(s) must be purchased either directly, or through one of our authorized dealers.

\*\*Your product(s) must be registered within 90 days of purchase. Registration will take place at [kryptoniteproduct.com](http://kryptoniteproduct.com) Click the warranty tab on the home page and follow to Warranty Registration link. Proof of purchase will be required. Without this information and warranty claims will be void. Without proper registration of you part(s) you will NOT be covered.

\*\*\*Warranty covers product replacement only. Warranty will never be a parts cost refund. warranty will never cover any collateral damage costs.

If you believe you have a part that failed and may be covered under warranty, you must first make a warranty claim. Once you have submitted your claim information you will be contacted within 2 business days with further instructions.

\*\*\*\*All parts to be considered for warranty replacement must first be physically inspected by a representative of KRYPTONITE PRODUCTS. If the part(s) in question are deemed to have failed in a way other than installation/user error. The customer will be provided with a replacement part(s) of equal or improved quality.

No replacement parts will ever be provided to a customer before a physical inspection of the failed part(s) by a KRYPTONITE PRODUCTS representative.

(Kryptonite No Fine Print Lifetime warranty)-Kryptonite steering and suspension components are warrantied for life to their original purchaser. This warranty is against any manufacturer defects, premature wear or breakage. Race it, jump it, off road it, wreck it, lift it, lower it, sled pull it, I think you get it? We don't care. If you can break it we will replace it.

\*\*\*\*\*Warranty Excludes Heim style joints, Tie Rod Boots and Bushings of any kind as these are regular maintenance type items.