



## HARD CORE STEERING ★ SUSPENSION PRODUCTS

### 2001-2010 GM HD Truck Upper Control Arm Kit

#### READ THE FOLLOWING BEFORE INSTALLATION!

Read all instruction thoroughly from start to finish before beginning installation. If these instructions are not properly followed, suspension and tire damage may result.

Vehicles that are using over sized tires should check ball joints and idler arms every 2500 to 5000 miles for wear and replace as needed We offer varied solutions should replacement be necessary at [www.kryptoniteproducts.com](http://www.kryptoniteproducts.com)

A vehicle front end alignment must be completed after the installation is complete.

Installation requires a qualified mechanic. Read instructions carefully and study the pictures (if included) before attempting installation.

Check the parts and any hardware packages against the parts list to assure that your kit is complete.

**Limiting strap kit is optional and will help to prevent upper ball joint premature wear, the strap will take the droop strain instead of the strain being transferred to the ball joint.**

#### Parts List:

- Driver side Upper Control Arm
- Passenger side Upper Control Arm
- 2 Heavy Duty Bolt on Upper Ball Joints
- Hardware Package

#### Installation Instructions

1. The Kryptonite Upper control arm kit is a direct replacement of the factory upper control arms.
2. Remove the factory upper control arms by supporting the lower control arms with a floor jack or some kind of stand used in a safe fashion. Loosen the ball joint nut of the upper control arm enough until you can spin the nut with your fingers, but do not remove totally, and use a pickle fork to separate the ball joint from the spindle, or tap on the side of the spindle next to the ball joint stud. When the tapered seat of the ball joint breaks loose, you may then remove the ball joint nut, and separate the factory upper control arms from the spindles.
3. Remove the factory bolts and eccentric washers that connect the control arm to the frame, but retain them for future use. Place them aside in order so they can be re-installed in the same place they came off. The plastic inserts will need to be removed and discarded from the eccentric washers.

4. Mount the bump stops to the bump stop tabs of the Kryptonite upper control arms. Use a 3/8" flat washer, then lock washer, then nut to secure the bump stop to the control arm. Tighten to 15 ft-lbs of torque.
5. Mount the supplied ball joints with the black M8-9.8 grade bolts and lock nuts provided in Ball joint Hardware Package, to either the top or bottom of the ball joint pocket of the Kryptonite upper control arms depending on your application. Use flat washers in hardware package on the control arm side to protect the finish. Anti-seize lubricant on the threads is recommended. If you are adding this a-arm kit to a factory height truck just to take advantage of the bolt in ball joint feature and do not plan to level it out, you must drop the ball joint down through the ball joint pocket so that the ball joint flange is on top. Mount the ball joint on the bottom of the arm for leveled or lifted trucks. Tighten all hardware in this step to 22 ft-lbs. of torque.
6. From the hardware package, insert the polyurethane bushings in the control arm first then grease and slide in the metal sleeves, thread grease fittings into the ends of the Upper control arms with the fitting pointed toward the ball-joint.
7. Mount the Kryptonite upper control arms to the frame with the factory nuts, bolts, and eccentric washers as previously removed. The bump stop tabs on the Kryptonite arms go toward the rear of the vehicle. The Kryptonite emblem should be facing the front of the truck. The arms are specific to the left or right. Torque alignment nuts to 100 ft-lbs.
8. Mount the ball joint to the spindle with supplied hardware. Use the 9/16" flat washers supplied if the castle nut needs to be spaced in order for the cotter pin to engage, and tighten to 60 ft-lbs. of torque. Grease the ball joint until the dust boot starts to swell. Grease the a-arm pivot bushings also. If you do not grease these items, premature wear will result on these items.
9. Re attach the factory lines that were mounted to the factory upper control arms such as ABS and brake lines. They must be restrained as to avoid binding and contact with any moving parts of the vehicle. Use the zip-ties to fasten them to the loop on the Kryptonite upper control arm. If necessary, slide the brake line through the bracket to obtain a suitable mounting situation.
10. Remove the abs line clip from the top of the frame shock pocket and use the cable ties to restrain the abs line to the brake line. Double check the clearance of both the brake lines and the abs lines after the install while the truck is on the ground through the complete steering cycle. Be sure there is no rubbing or loose cables anywhere.
11. Have the vehicle's front end professionally aligned to the lift kit manufacturer specification.

## 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.