

HELL BENT STEEL - INSTALLATION INSTRUCTIONS

CAM BOLT ELIMINATOR KIT FOR 1994-2013 DODGE RAM

Pre-Installation Warnings:

Before installing this product on your vehicle, thoroughly read and understand these instructions and the associated warnings.

Failure to properly follow all instructions and heed all warnings may result in major property damage and/or serious bodily injury or death.

Test drive the vehicle to verify that it does not exhibit any uncommon sounds or vibrations.

Inspect this product and all of its associated parts.

Compare the parts to those listed in these instructions. If any parts are missing or damaged, promptly call and notify us at 877.731.7911. Do not substitute any part or fastener from any other source. If you desire to return the vehicle to stock, make sure to save all the original components.

Installation Warnings:

WARNING: ONLY A CERTIFIED MECHANIC SHOULD INSTALL THIS PRODUCT.

The OEM manual should be used at all times as a reference guide. The person installing this product should wear safety glasses and any other personal protection items needed at all times. Failure to properly install this product may result in serious bodily injury or death.

Maintenance Warnings:

It is your responsibility to re-torque and/or inspect the integrity of the thread lock (where applicable) of all mounting fasteners after the first 100 miles, and every 3000 miles thereafter or after heavy use.

Failure to follow these steps could allow fasteners to come loose and cause serious damage, bodily injury, or death.

Have your vehicle's alignment checked every 6 months.

Use Warnings:

DRIVE SAFELY! Avoid abrupt maneuvers such as sudden sharp turns which could cause a roll over, resulting in serious injury or death.

You are solely responsible for any and all misuse, abuse, improper installation, and/or improper maintenance of this product and your vehicle.

After installing this product, drive with extreme caution, particularly until you become familiar with how the vehicle handles. Slower speeds may be required to maintain control. Do not engage in any conduct that would void your vehicle's factory warranty, such as jumping the vehicle, driving the vehicle in excess of payload towing restrictions, off-road racing, rock crawling, etc. Always wear a seat belt.

WARNING: The **HBS Cam Bolt Eliminator Kit** is designed to work in conjunction with the **HBS Adjustable Control Arms.**

The Cam Bolt Eliminator Kit will **NOT** work with any fixed-length control arm. Do not install if you do not have adjustable control arms.

Instructions:

1. Unpack parts to ensure you have all components.

The kit includes the following:

- 1- Two (2) GR10.9 mounting bolts.
- 2- Four (4) large zinc-coated cam eliminator washers.
- 3- Two (2) GR10.9 top-lock flange nuts.



For 1994-1999 Dodge Ram

PN:199-1994-CBE:

Req'd Tools

- | | |
|------------------------------------------|--------------------|
| 1. Two (2) 14mm mounting bolts. | 22mm socket/wrench |
| 2. Four (4) large cam eliminator washers | |
| 3. Two (2) 14mm top-lock flange nuts | 21mm socket/wrench |

Torque Spec: 14mm mounting nut/bolt: 126 ft-lb

For 2000-2009 Dodge Ram

PN:199-2000-CBE:

Req'd Tools

- | | |
|------------------------------------------|--------------------|
| 1. Two (2) 16mm mounting bolts. | 24mm socket/wrench |
| 2. Four (4) large cam eliminator washers | |
| 3. Two (2) 16mm top-lock flange nuts | 24mm socket/wrench |

Torque Spec: 16mm mounting nut/bolt: 196 ft-lb

For 2010-2013 Dodge Ram

PN:199-2010-CBE:

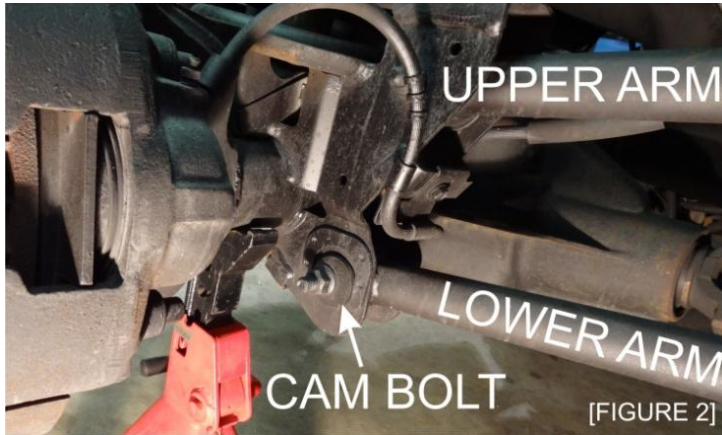
Req'd Tools

- | | |
|------------------------------------------|--------------------|
| 1. Two (2) 18mm mounting bolts. | 27mm socket/wrench |
| 2. Four (4) large cam eliminator washers | |
| 3. Two (2) 18mm top-lock flange nuts | 27mm socket/wrench |

Torque Spec: 18mm mounting nut/bolt: 270 ft-lb

Installation:

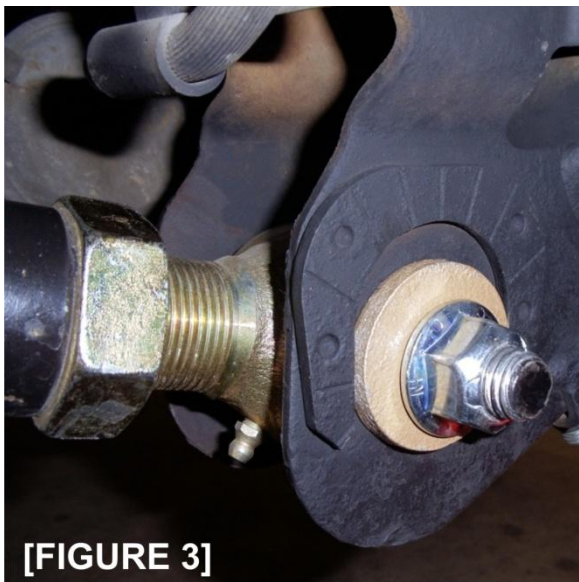
When installing the HBS Adjustable Lower Control arms, this kit will replace the OEM cam bolt that is on your vehicle.



1. Remove the OEM cam bolt located at the front of the lower control arm.

2. Install large cam replacement washer and bolt. Place one large cam eliminator washer (Item 2) onto the bolt (Item 1). Start from the inside, slide the bolt through the inside axle mount, lower control arm end joint, and out the outside axle mount.

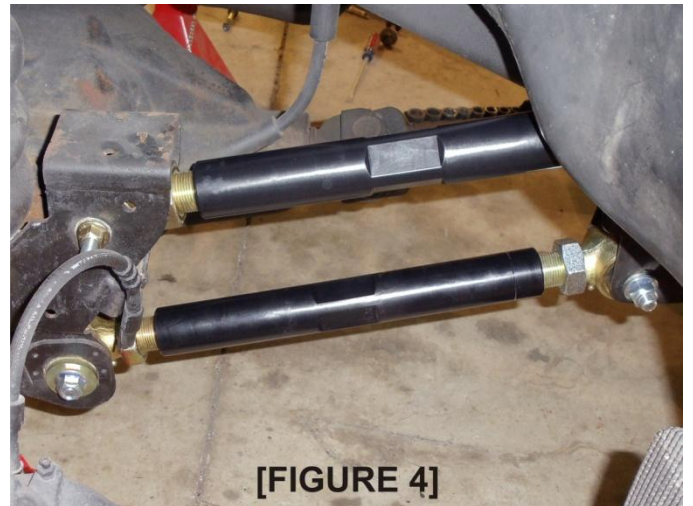
3. Place a second eliminator washer on the bolt on the outside of the mount. Again, be sure the large eliminator washers are sitting inside the U shaped adjustment rings on the mount. Add the top lock nut and finger-tighten.



IMPORTANT: Be sure the large eliminator washers on both inside and outside the mounts are sitting within the U-shaped adjustment ring on the mount.

4. Tighten nut. Using a wrench on the bolt and a socket on the nut, tighten the nut.

ATTENTION! As you tighten the nut, ensure that the washers have not shifted. When the nut is snug, check both large cam eliminator washers to ensure they are sitting flat against the mount and inside the OEM adjustment ring.



5. Torque the nut to specification.

6. Repeat on opposite side.

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for all your Dodge Ram suspension needs.



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