

HELL BENT STEEL, INC - INSTALLATION INSTRUCTIONS

PN: 115-200-001 2" FRONT LEVELING SYSTEM FOR RAM 2014+ 2500 4X4, 2013+ 3500 4X4

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 its associated parts. Compare the parts to those listed on the included packing slip. 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 & Maintenance 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. 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, 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. It is the responsibility of the customer or the mechanic to wear safety glasses at all times when working with air tools.

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.

Torque Settings*:

12MM bolt/nut - 70 ft. lbs.

14MM bolt/nut - 112 ft. lbs.

*When applicable, torque should be applied to the nut.

NOTE: Depending on the year and model of your truck, the items may not appear the exact same as is pictured.

Part Installation:

1. To begin installation, block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Safely lift the front of the vehicle and support the frame with jack stands. Place jack stands on both the driver and the passenger sides of the vehicle. Place a floor jack centered under the axle to support the weight of the axle and remove the wheels from both sides.



2. Repeat each step of installation on both sides of the vehicle at the same time. Remove the bolts from the lower shock mounts on the axle. Using the floor jack, move the axle up or down to set the axle right at the end of the shock travel. This makes removing the shock bolts easier.

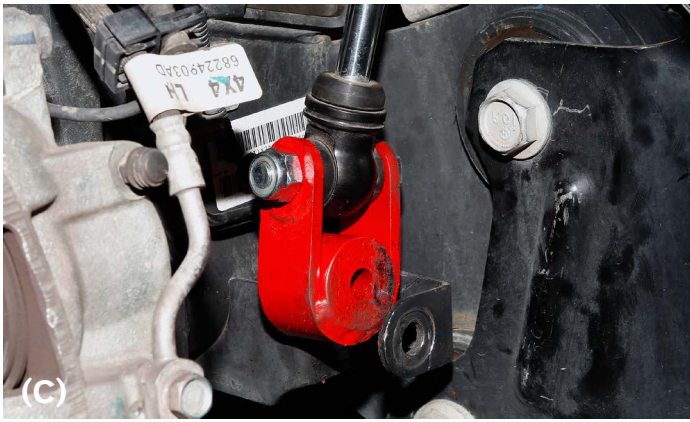
2.1 **If installing the HBS lower shock relocation brackets**, save the OEM lower shock bolts—you'll need them for reinstallation.

2.2 **If installing the Bilstein 5100 Series extended shocks**, use the vehicle's service manual to remove the existing shocks completely. Then, using the supplied stem mounting hardware, install lower washer, sleeve, and bushing on shock stem. Install the Bilstein shock in the original location. Install the upper bushing, washer and nut. Fasteners will be torqued once the full weight of the vehicle is on the suspension. Refer to the Bilstein instructions for diagram.

3. Mark the rotational position of both the spring and rubber isolator to ensure correct positioning upon reinstallation. Lower the axle with the floor jack (**figure B**). Use caution when lowering the axle as the springs will be completely released and can fall out. Remove the coil spring and the rubber isolator. Set aside for reinstallation.



4. Install the HBS shock bracket, if applicable, onto the bottom mount of the OEM shock using the 14MM fastener provided. Torque to spec. (**figure C on the next page**).



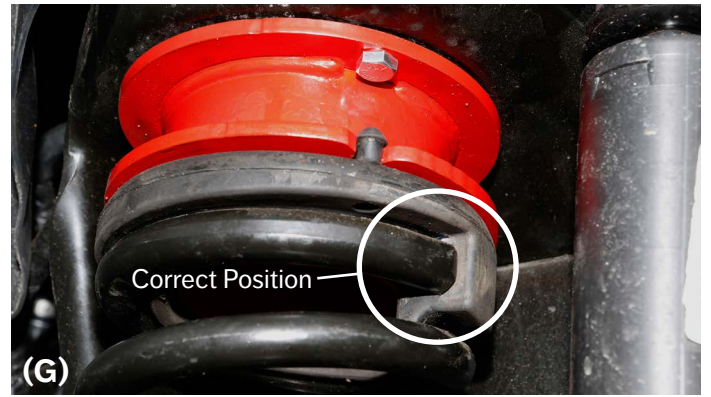
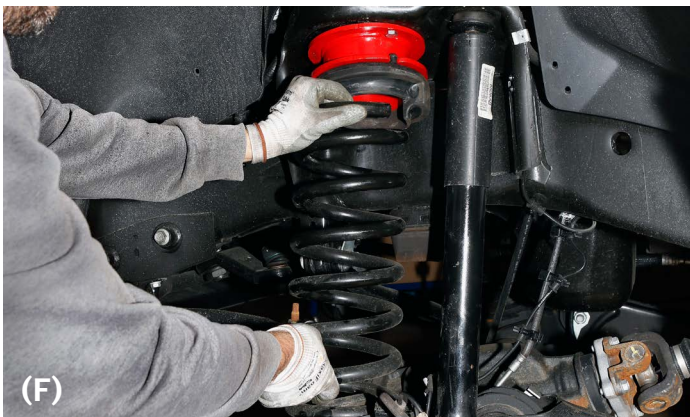
5. Install the HBS spacer onto the upper coil spring mount with the provided 12MM fastener (figure D). Torque to spec.



Install the rubber OEM isolator onto the bottom of the HBS spacer with the rubber stem in the groove as shown (figure E).



6. Lower the axle so the coil springs can be re-installed. Position the coil springs in place and raise the axle until the springs make contact with the rubber isolator (figure F). Make sure that the coil springs are rotated so they will nest into the rubber isolator correctly (figure G).

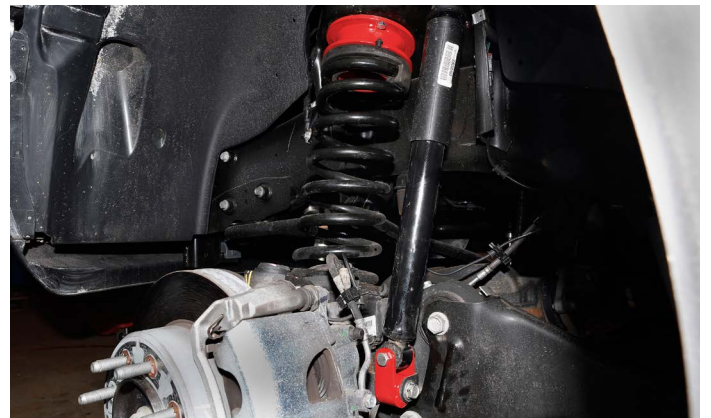


7. If installing the HBS lower shock bracket, raise the axle until the hole in the HBS shock bracket aligns with the hole in the frame of the vehicle. Reuse the OEM fastener to mount the lower shock bracket onto the axle (figure H). Torque to spec.

8. If installing the Bilstein 5100 Series extended shocks, raise the axle until the lower shock mount can be installed in the original shock mount. Torque to spec.



Completed installation pictured



9. Re-install the tires and lower the axle. Raise the frame to remove the jack stands. Lower the frame such that the full weight of the vehicle is on the suspension. Tighten the lock nut on the the upper shock stem until it bottoms out and torque to setting specified in the vehicle owner's manual.

10. Have the vehicle aligned to OEM specs. Installation is not complete until a professional alignment has been performed.