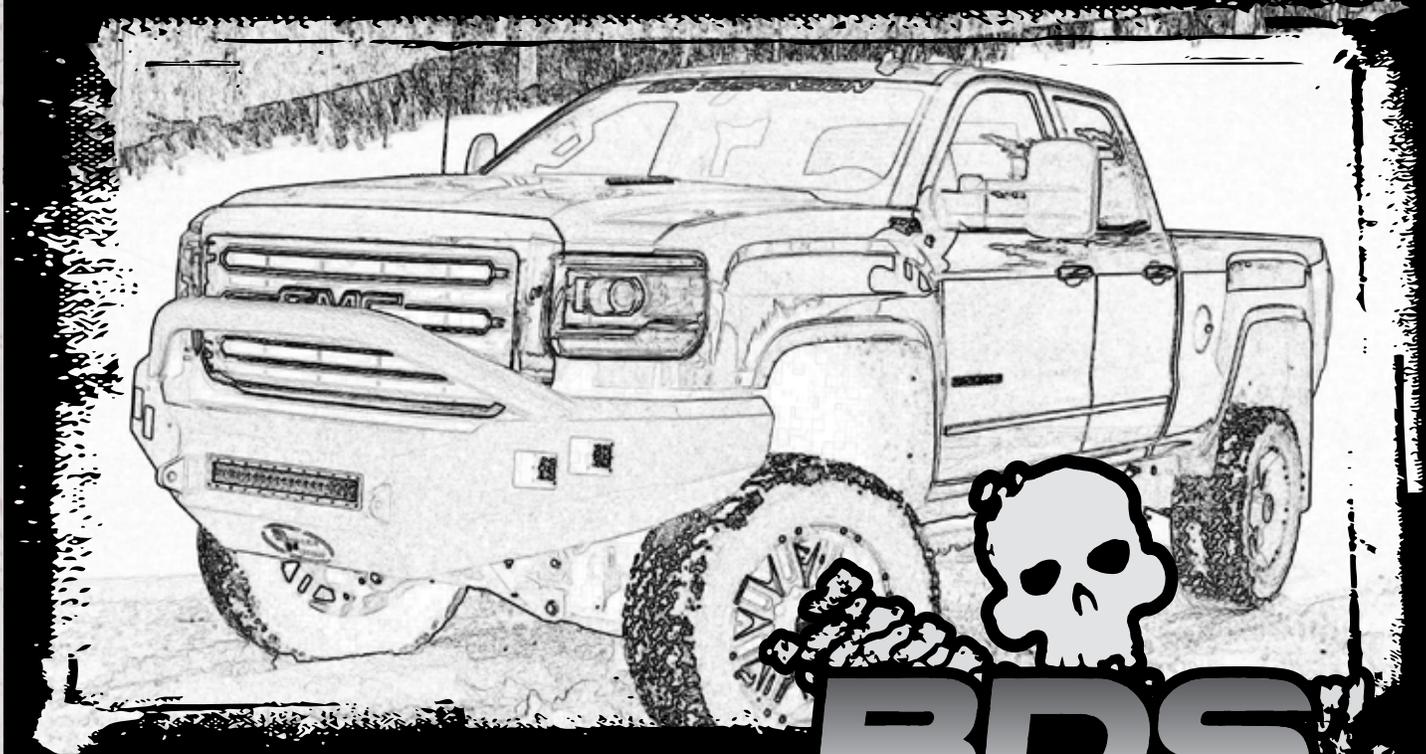


# INSTALLATION GUIDE



Part#: 011317-011318



**HARDCORE LIMITED LIFETIME WARRANTY**

## 3" Rear Block Kit

**Chevy/GM 2500/3500 HD 4WD | 2011**

Rev. 071719

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# Read And Understand All Instructions And Warnings Prior To Installation Of System And Operation Of Vehicle.



## THANK YOU

Your truck is about to be fitted with the best suspension system on the market today. That means you will be driving the baddest looking truck in the neighborhood, and you'll have the warranty to ensure that it stays that way for years to come.

Thank you for choosing BDS Suspension!

### BEFORE YOU START

BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

### FOR YOUR SAFETY

Certain BDS Suspension products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. BDS Suspension Co. does not recommend the combined use of suspension lifts, body lifts, or other lifting devices. You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

### BEFORE INSTALLATION

- Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
- Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
- Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
- Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
- Secure and properly block vehicle prior to installation of BDS Suspension components. Always wear safety glasses when using power tools.
- If installation is to be performed without a hoist, BDS Suspension Co. recommends rear alterations first.
- Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.



Visit [560plus.com](http://560plus.com) for more information.

### BEFORE YOU DRIVE

Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.

Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure. Longer replacement hoses, if needed can be purchased from a local parts supplier.

Perform head light check and adjustment.

Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

# CONTENTS OF YOUR KIT

011317-011318 Box Kit		
Part #	Qty	Description
3FB18	2	3" Rear Block
343251350Q	4	3/4" x 3-1/4" x 13-1/2" U-bolt (011317)
343251550Q	4	3/4" x 3-1/4" x 15-1/2" U-bolt (011318)
B125 / B126	1	Bag Kit Rear
B1225G8	2	12mm-1.75 x 25mm SHCS 12.9 Bolt
099000	2	11.5in Nylon Cable Tie - Black
342701	1	Thread Locker
N34FLG-B	8	3/4"-10 Serrated Flange Nut
02243	1	E-brake Extension Tube -
SBTE	1	E-Brake Extension M6
588	1	Bolt Pack
	1	1/4"-20 x 1" bolt grade 5 clear zinc
	1	1/4"-20 x 1" self threading bolt - clear zinc
	2	1/4" USS flat washer clear zinc
	1	1/4"-20 prevailing torque nut clear zinc
	1	6mm-1.00 Coupler nut
	2	6mm-1.00 hex nut clear zinc

## INSTALLATION INSTRUCTIONS

### INSTALLATION INSTRUCTIONS

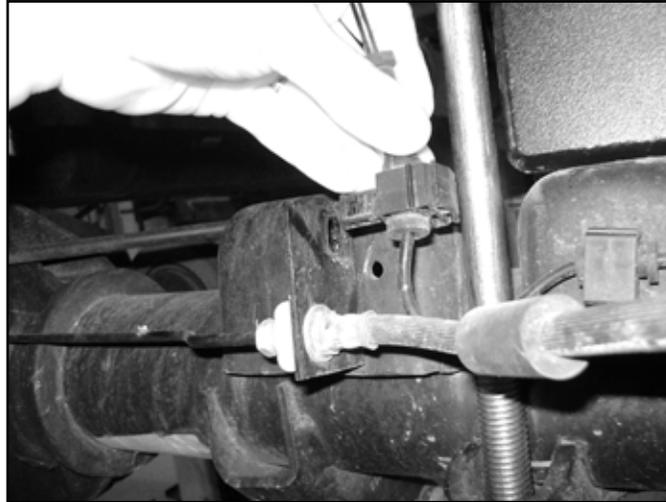
1. Block the front wheels for safety. Raise the rear of the vehicle and support with jack stands under the frame rails, just ahead of the front leaf spring hangers.
2. Remove the wheels.
3. Raise rear of vehicle and support frame with jackstands.
4. Support the rear axle with a hydraulic jack.
5. Disconnect the E-brake cable bracket from the frame near the driver's side front spring hanger. Save hardware, it will be reinstalled later. (Fig 1)

**FIGURE 1**



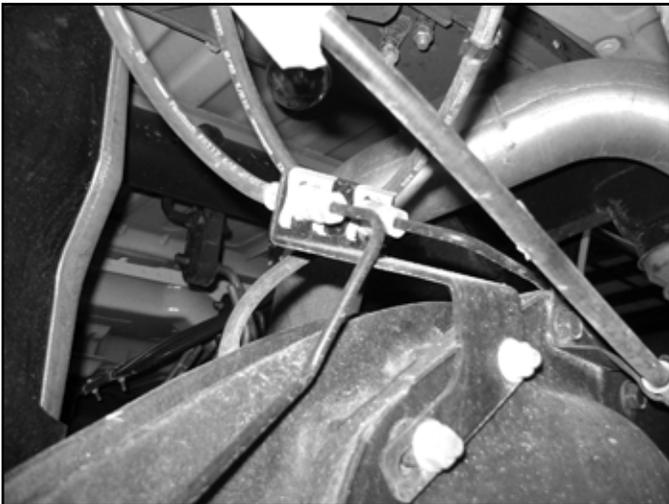
6. Remove the ABS wire clips from the metal tabs just inside of the leaf springs. Remove the plastic clips from the ABS wire. (Fig 2)

**FIGURE 2**

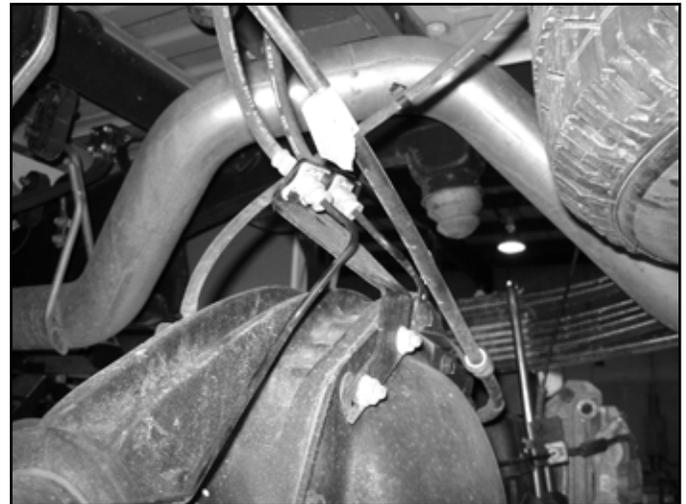


7. Remove the rear shocks. Save hardware.
8. Locate the brake line bracket at the top of the differential. Using an adjustable wrench carefully bend the bracket upward so that ends of the rubber brake lines point toward the frame. (Fig 3A/B) Carefully adjust the brake hardlines that run along the axle.

**FIGURE 3A**



**FIGURE 3B**



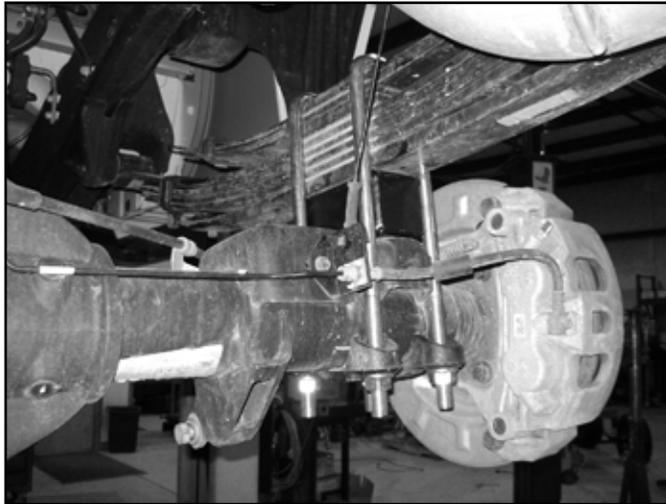
9. Locate the provided 3" lift blocks and 12mm socket head cap screws. Apply thread locker to the bolt threads and install them into the thread block holes. (Fig 4) Tighten the bolts securely with a 10mm Hex wrench.

**FIGURE 4**



10. With the axle well supported, remove the passenger's side u-bolts and lower u-bolt plate. Loosen, but do not remove the u-bolt hardware on the driver's side. This will allow the axle to move more easily and aid in installation.
11. Install the new blocks between the axle and the leaf spring. Align the pins/holes and raise the axle to seat the assembly. Install the new provided u-bolts with the factory u-bolt plate. (Fig 5) Fasten with the provided locking flange nuts. Snug hardware. Final torque will be down with the vehicle on the ground.

**FIGURE 5**



12. Repeat block installation of the driver's side.
13. With both sides complete, secure the ABS wire to the inside u-bolt with the provided zip ties. (Fig 6)

**FIGURE 6**

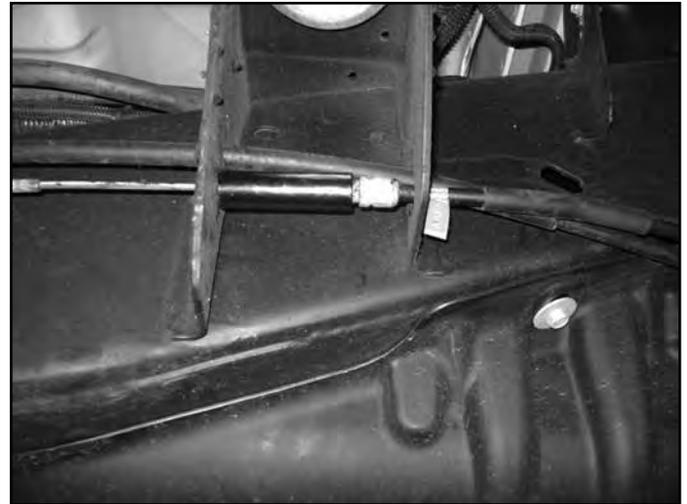


14. Check all cables for adequate slack at full droop, make adjustments if necessary.
15. Remove the e-brake cable from the cab mount in front of the leaf spring by removing the plastic retaining clip.
16. Test fit the extension tube into the same hole the plastic e-brake retaining clip was inserted in. Clearance the hole if necessary to fit the extension tube. Once the extension tube is installed insert the e-brake cable through the extension tube. (Fig 7B)

**FIGURE 7A**



**FIGURE 7B**



17. Thread on a M6 jam nut and the coupler nut to the e-brake cable (BP 588). Adjust the coupler nut depth to have half of the threads engaged. (Fig 8)

**FIGURE 8**



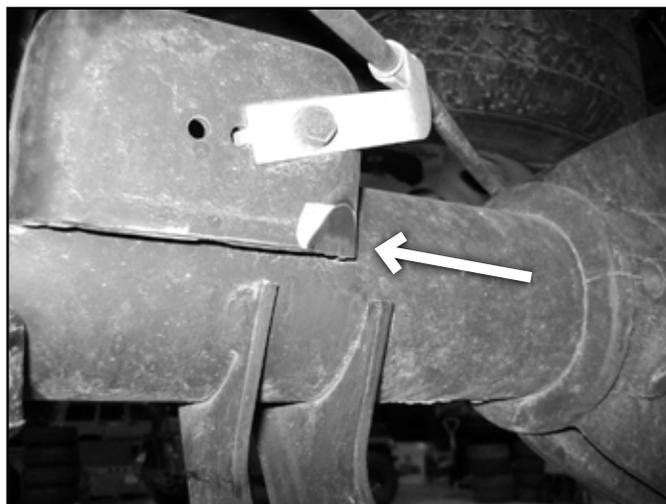
18. Attach the M6 threaded extension (SBTE) with jam nut and tighten securely.
19. Reattach the e-brake cable to the junction block with the factory adjuster nut. Tighten until the e-brake cable is at the appropriate tension. Test the e-brake to make sure it functions properly. Adjust tension if necessary. (Fig 9) Check the e-brake cable clearance where it passes through the original hole it was removed from. If necessary, drill this hole out to 5/8" to provide more clearance and prevent the cable from catching the hole edge. (Fig 7B)

**FIGURE 9**



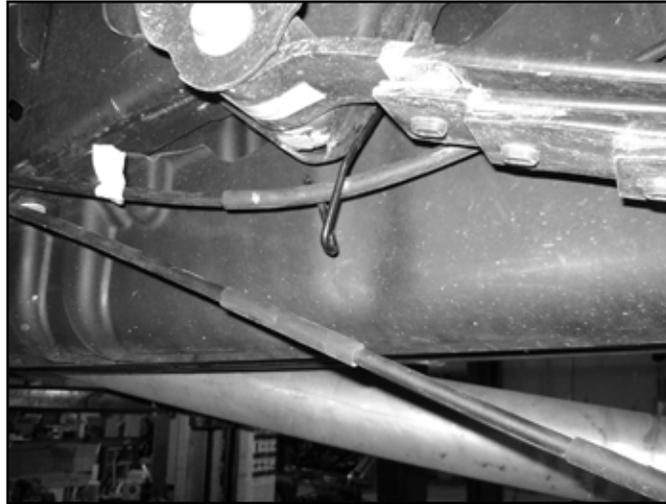
20. Reinstall the E-brake cable bracket near the jounce bumper with factory hardware.
21. The passenger's side bump stop bracket on the axle must be trimmed slightly to add clearance for new larger rear shocks. Grind the inside front corner to gain approximately 1/4" of clearance. (Fig 10) Paint bare metal to prevent rust.

**FIGURE 10**



22. Install new rear shocks with the provided hardware. Fasten the shocks with the factory hardware and torque to 100 ft-lbs.
23. Remove the driver's side parking brake cable from the driver's side bracket that was removed from the frame. Move the passenger's side cable into the lower section of the bracket. Reattach the bracket to the frame and tighten hardware securely. (Fig 11)

**FIGURE 11**



24. Reinstall wheels and lower vehicle to the ground. Torque u-bolts to 125 ft-lbs. Torque lug nuts to 140 ft-lbs.



### **WE WANT TO SEE YOUR RIDE!**

Grab photos of your BDS-equipped truck in action and send them in for a chance to be featured. Send it in to our Bad Ass Rides customer gallery at [bds-suspension.com/bar](http://bds-suspension.com/bar) and post them on the BDS Fan Page on Facebook at [facebook.com/BDSSuspensions](https://facebook.com/BDSSuspensions). Don't forget about your BDS swag! BDS offers t-shirts, hoodies, decals and more available on the BDS website or through your local BDS distributor.

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## **TIME TO HAVE SOME FUN**

**Thank you for choosing BDS Suspension.**

For questions, technical support and warranty issues relating to this BDS Suspension product, please contact your distributor/installer before contacting BDS Suspension directly.