

INSTALLATION GUIDE



Part#: 021209



HARDCORE LIFETIME WARRANTY

2" Rear Kit/Front Trimming

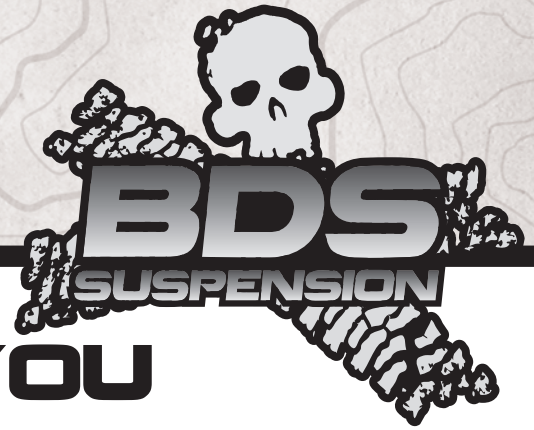
Chevy/GMC Tahoe, Avalanche 4WD | 2007-2013

Rev. 092713

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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.

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

021209

Part #	Qty	Description
770	1	Bolt Pack
B06103C	2	L-bracket
02158B	2	Rear 2" Spacer
606	3	Rear Spacer Bolt Pack

TROUBLESHOOTING INFORMATION FOR YOUR VEHICLE

1. Strut Compressor required for installation.
2. This system will not fit 2007 classic models.

**TECH
TIPS**

INSTALLATION INSTRUCTIONS

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1. Park vehicle on clean flat level surface. Block the front tires for safety.
2. Disconnect the rear trackbar from the axle bracket. Retain all hardware. This will aid in letting the axle droop more.
3. Raise the rear of the vehicle and support the frame rails with jack stands.
4. Remove rear wheels.
5. Disconnect the brakeline bracket from the top of the differential. (Fig 1)

SPECIAL TOOLS

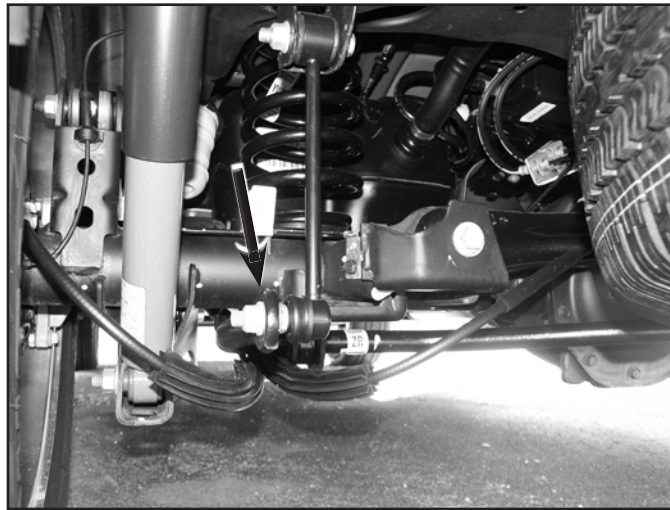
High Quality Strut Compressor

FIGURE 1



6. Disconnect the sway bar links from the axle, retain all hardware. (Fig 2)

FIGURE 2



7. Remove ABS wires from their retaining clips on the side of the frame.
8. Trim the plastic around the shocks as shown in the figure. This is needed for tire clearance and will aid in disassembly. (Fig 3a/b)

FIGURE 3A



FIGURE 3B



9. Support the axle with a hydraulic jack. Remove rear shocks, retain all hardware.
10. Lower the rear axle enough to remove the factory coil.
11. Attach the rear spacer to the upper coil mounting position with 5/16" hardware from bolt packs #606. Tighten to 20 ft-lbs. The bolts will attach to the factory holes / slots located in the upper mounts. If these holes are not present, mark and drill to 3/8"
12. Make sure the coil spring isolators are installed into the coil reinstall the coil into the vehicle.
13. Raise rear axle and connect new shocks with OE hardware. Hardware must run from the outside-in. **This is very important!!!** (Fig 3b)
14. Reconnect the OE sway bar links with factory hardware.
15. Reconnect the brakeline bracket to the top of the differential. Take pliers and bend so the fittings face up 45 degrees. This will give adequate slack in the line(s) at full droop. (Fig 1)
16. Reattach the ABS wires with the OE clips to the frame rails. Ensure there is adequate slack at full droop. The fitting may have to be slid on the line or rerouted slightly to get enough slack.
17. Attach wheels and lower the rear of the vehicle to the ground. Torque wheels to OE specifications.
18. Reconnect rear trackbar with OE hardware. It will be necessary to have someone push on the side of the vehicle / frame rail to have the holes line up.

TORQUE SPECIFICATIONS

Shock Hardware:	60 ft-lbs
Trackbar Hardware:	95 ft-lbs
Sway Bar:	60 ft-lbs

FRONT TRIMMING INSTRUCTIONS

19. Running a 305/55 R20 tire on stock wheels requires front inner fender well modification. Do not use this tire size on wheels with less than 5.5" of backspacing. These are the steps to gain adequate clearance.
20. Park vehicle on clean, flat, and level surface. Block the rear wheels for safety. Safely raise the front of the vehicle and support frame rails with jack stands.
21. Remove front wheels.
22. Remove the front lower plastic valance, this will not be reinstalled due to tire clearance issues.
23. Remove the lower plastic fender well mounting bracket. Retain all fasteners. (Fig 4)

FIGURE 4



24. Remove 2" from the edge that is closest to the tire. (Fig 5)

FIGURE 5



25. Place 'L' shaped bracket up next to the edge, drill 5/16" hole through the plastic bracket, and attach with 1/4" hardware (BP #770), the fender washer will go against the plastic.
26. Reinstall the plastic fender well bracket into the vehicle with OE bolts.
27. Several inches up, slice the inner fender well so that it can overlap the front bumper cover. (Fig 6)
28. Drill 5/16" hole through the inner fender well to attach to the 'L' shaped bracket. Use 1/4" hardware with a fender washer against the inner fender well.
29. The very bottom edge of the plastic bumper cover will need to be trimmed as shown. (Fig 6)
30. Reinstall wheels, lower the vehicle to the ground.
31. Perform a steering sweep check. On vehicles equipped with running boards, the very front edge may require trimming.

FIGURE 6



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 and post them on the BDS Fan Page on Facebook at 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.

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.