



INSTALLATION INSTRUCTIONS

1075 North Ave. Sanger, CA 93657-3539 toll free: 800-445-3767 web: www.belltechcorp.com

6500 REAR LOWERING KIT CHEVY C/K & GMC SIERRA

Congratulations! You were selective enough to choose a BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.

- Note: Confirm that all of the hardware listed in the parts list is in the kit. **Do not** begin installation if any part is missing. Read the instructions thoroughly before beginning this installation.
- Warning:** **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.
- Warning:** **DO NOT** drive vehicle until all work has been completed and checked. Torque all hardware to values specified.
- Reminder: Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!
- Note: It is very helpful to have an assistant available during installation.

RECOMMENDED TOOLS:

- Properly rated floor jack, support stands, and wheel chocks
- Combination wrench set
- Torque wrench: *0-75 lb ft. range*
- Ratcheting socket wrench and socket sets
- Air Chisel / Die grinder W/ cut off wheel
- Heavy Duty Drill, W/ drill bit
- Safety Glasses

KIT INSTALLATION

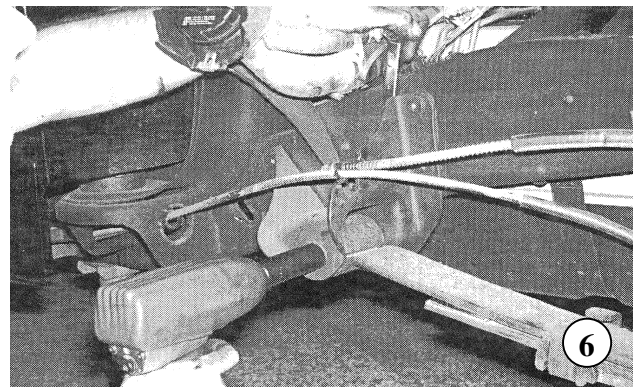
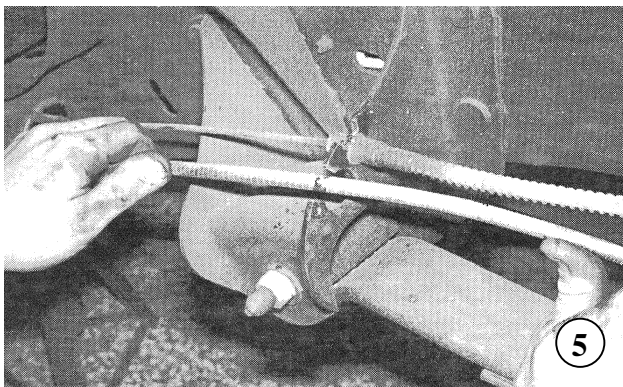
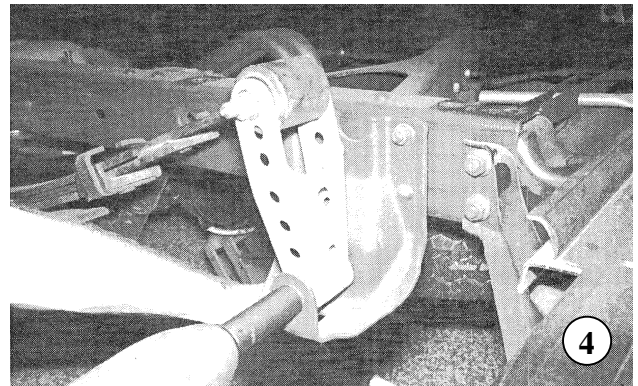
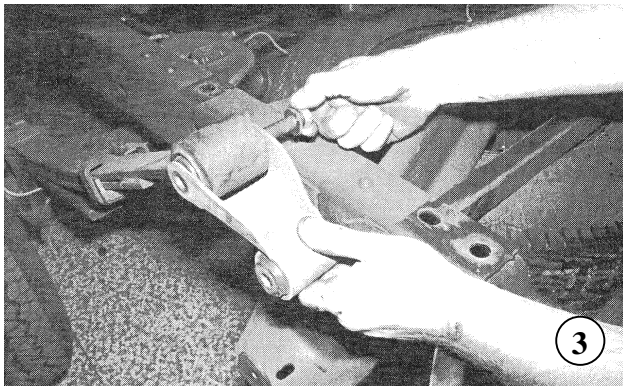
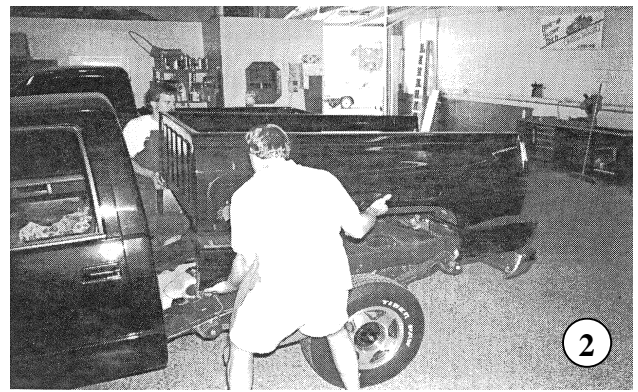
1. Open the hardware kit and remove all of the contents. Refer to the part list (Page 2) to verify that all parts are present.
2. Park the vehicle on a smooth level asphalt or concrete surface. Place a block in front of and behind the front wheels. Jack up the rear of the vehicle and place jack stands securely under the frame in the manufacturer's specified locations. Remove the rear wheels.
3. For better access to the rear suspension and to simplify the procedure, we recommend first disconnecting the gas filler neck from the bed, unplug the taillight harness, and disconnect the two ground straps, front and back, then removing the bed from the frame. Block the front wheel and raise the back of the truck, then place jack stands under the frame just ahead of the rear suspension. (Photo 2)
4. With the truck elevated on jack stands, place a hydraulic jack under the rear axle and raise it until the weight is taken off the leaf spring shackles. Remove the two retaining shackle bolts along with the stock shackle. Caution: Leaf springs are under considerable tension. Good judgment should be exercised when removing shackle bolts. The rear spring may move causing a pinch point between spring and rear shackle. (Photo 3)

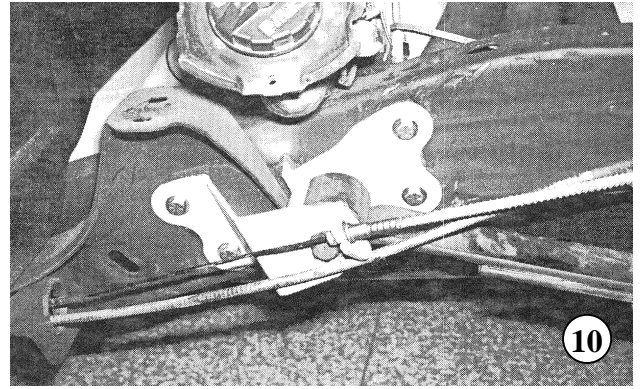
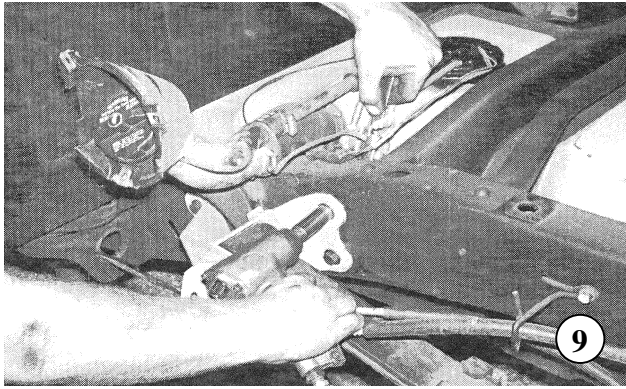
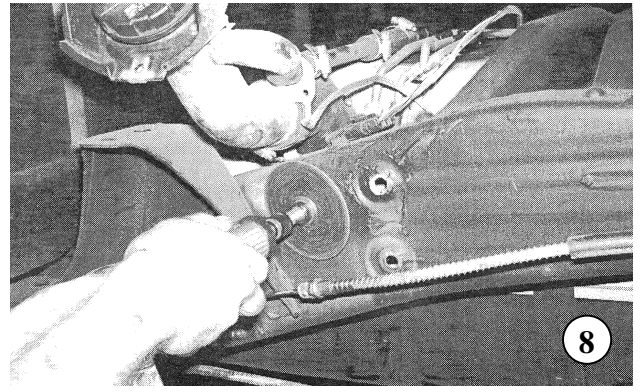
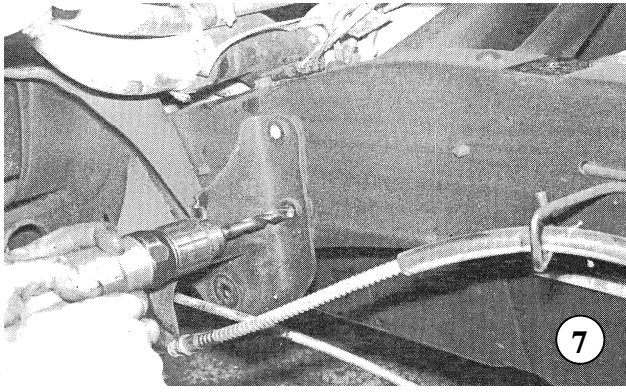
5. Place the new shackle in the frame hanger and bolt it in place. Now gently raise the rear axle high enough so that the shackle can be swung over the eyelet of the leaf spring. Insert the remaining mounting bolt and tighten both bolts to 88 Ft. lbs. (Photo 4)
6. **Important Note:** On the FLEETSIDE shortbed and SPORTSIDE models, the bed-brace will contact the rear leaf spring clamp upon full suspension travel. Adequate clearance can be gained by notching the bed brace directly above the clamp with a hand grinder. **CAUTION: ALWAYS WEAR EYE PROTECTION WHEN USING POWER TOOLS.**
7. One of the two parking brake cables on the driver's side is routed through a hole in the spring hanger. Rather than disconnect the cable and pull it through the hole, simply make a cut in the hanger large enough for the cable to be removed. **Caution: Use extreme care when cutting the spring hanger to avoid damaging the cable.** (Photo 5)
8. Next carefully raise the rear axle until the weight is taken off the front leaf spring eyelet and unbolt the leaf spring from the front spring hanger. (Photo 6)
9. The four rivets, which secure the spring hanger to the frame, must be removed; these can be drilled out or the heads chiseled off. **Caution: Always wear eye protection when using power tools and equipment.** (Photo 7)
10. A small bolt on the frame rail must be ground smooth before the new spring hanger can be installed. This is easily accomplished with a coarse grinding disc and a steady hand. **CAUTION: ALWAYS WEAR EYE PROTECTION WHEN GRINDING.** (Photo 8)
11. Bolt the new hanger on the frame using the hardware supplied and tighten securely. (Photo 9)
12. Once both hangers are in place, raise the axle so the front of the springs, locate themselves in the new hangers. Place the parking brake cable-mounting bracket between the spring eyebolt and the spring hanger on the driver's side. Replace the spring eyebolt on passenger's side. Do not tighten the spring eyebolts at this time. (Photo 10)
13. Now that the new hangers and shackles are in place, jack up the rear end just until the jack begins to lift the truck off the stands. Tighten the front and rear spring eye bolts on the hangers and shackles. Then re-install the brake cable, pull back on the cable, and slide the cable through the slot cut in the bracket. Release the cable and push it into the bracket, the spring clips on the cable will hold it in place.
14. Replace the truck bed (if removed), electrical wiring, gas filler neck hose and hardware. Install the wheels and tires. Raise the vehicle off the stands carefully, remove the stands and slowly lower the vehicle to the ground. Your installation is now completed.

PART LIST FOR CHEVY C/K

REAR LOWERING KIT

PART No.	DESCRIPTION	QTY.
6400-100	Shackle 2" drop	2
4918-001	Bump Stop	2
110650	7/16"-20 x 1-1/4" HHCS	8
110303	7/16"-20 Stover Lock Nut	8
110645	7/16" Flat Washer	16
6550-005	Parking Brake Cable Bracket	1
6500-010	Hanger Front Spring, LH	1
6500-020	Hanger Front Spring, RH	1







INSTALLATION GUIDE

STREET PERFORMANCE & NITRO DROP 2 SHOCKS

300 W. PONTIAC WAY. CLOVIS, CA 93612
PHONE: 800-445-3767 | EMAIL: INFO@BELLTECH.COM

THANK YOU

Thank you for choosing our high quality Belltech product. We have spent a great deal of time developing our line of products so that you will receive maximum performance with minimal difficulty during installation. Soon your vehicle will be on the road looking and feeling much improved.

Please take a moment to read all instructions and warnings prior to the installation of your new Belltech product and before operating your vehicle. If you have any questions or concerns regarding any step in the installation process, please do not hesitate to call or email our customer support specialists who are trained to help you through any portion of this process.

Before You Begin:

It is of the utmost importance that you confirm all of the components listed on the parts list is in the kit. You can find this list located on the last page(s) of your instructions. Do not begin installation if any part is missing. Instead, please call our Belltech customer service specialists.

Belltech Customer Support:

Phone: 1-800-445-3767

Email: info@belltech.com

Safety Information:

Warning: Do not work under a vehicle supported only by a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

Proper use of safety equipment and eye/face/hand protection is absolutely necessary when performing any of the following instructions.

We strive for an exceptional experience for all our valued customers. If for any reason you need assistance with your Belltech products, please do not return the product to the store you purchased from, but rather call our dedicated customer service experts, from 7am to 5pm PST.

We recommend that a qualified mechanic, at a properly equipped facility, perform this installation.

It is very helpful to have an assistant available during installation.

Before Driving Your Vehicle:

It is important to double check all brake hoses, cables, and other components to be sure there is no interference. You must also check for wheel/tire to chassis/body interference. If any issues are found, review your installation instructions to be sure no steps were missed and any problems are corrected.

Make sure your vehicle is aligned immediately following installation.

Check all hardware and re-torque at intervals for the first 10, 100, and 1000 miles.

Some of Belltech's products are designed to improve your vehicle's off-road performance. Leveling/lifting your vehicle may result in an altered center of gravity. It is crucial to use extreme care when operating your vehicle to prevent rollover and/or loss of control.

Any changes in your vehicle's suspension may result in transformed handleability. Please test-drive your vehicle in a remote location so you can become accustomed to the revised driving characteristics.

Perform headlight check and adjustment.

Failure to drive any modified vehicle in a safe manner may result in harm or death.

Never operate your modified vehicle under the influence of drugs, alcohol, or lack of adequate sleep.

Always wear your seatbelt.



Technician reminder:

Belltech Shocks are designed for easy installation. If not otherwise stipulated in these instructions, all suspension components are removed and installed in accordance with the manufacturer's specifications for installing and removing standard damper components.

CONSTRUCTION LUBE

When you install your Belltech Street Performance or Nitro Drop 2 Shock you may notice some oil drip down the shock body. **The shock is NOT leaking.** This is oil lubrication used in the construction assembly of the shock. Simply wipe the oil off with a damp cloth.

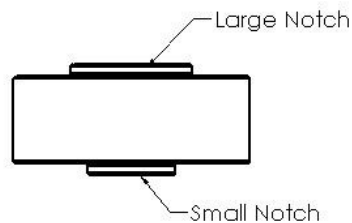
BELLTECH SHOCKS

Some Belltech shocks are low pressure oil shocks. If the shock is compressed the rod will not return to an extended position on its own. **The shock's performance relies on the internal Belltech valving technology which is not affected by the relative pressure of the shock.** If your shock is stamped with part number xxxx-xxx-C, then this is a gas charged unit. **There is no performance gain from gas charged to non-gas charged.**

PIN BUSHINGS

Belltech Street Performance or Nitro Drop 2 Shocks may be fitted with a pin bushing. If so, it is necessary to properly fit the bushing to your vehicle by choosing the correct notch on the pin bushing.

1. Remove original shock from vehicle.
2. Examine original pin bushing and measure diameter of notch.
3. Compare to the 2 different notch sizes on the top and bottom of the supplied Belltech pin bushing and use the notch that most closely matches your original pin bushing.



4. Install the shock with the selected notch placing the shock mount in between the pin bushings.

STREET PERFORMANCE DUST COVER



Technician reminder:

Belltech Shocks are designed for easy installation. If not otherwise stipulated in these instructions, all suspension components are removed and installed in accordance with the manufacturer's specifications for installing and removing standard damper components.

1. Check the vehicle to see if there is enough clearance for the dust cover. If the dust over must be removed for additional clearance, remove the pin bushings and washers to slide dust cover out.



2. Install included 10mm dust cover spacer; part number 112445.



3. Install first washer below the bushing and bottom pin bushing; with selected notch facing up (see Pin Bushing section). When the shock is installed on vehicle, place the top pin bushing with selected notch facing down and the second washer above the bushing.



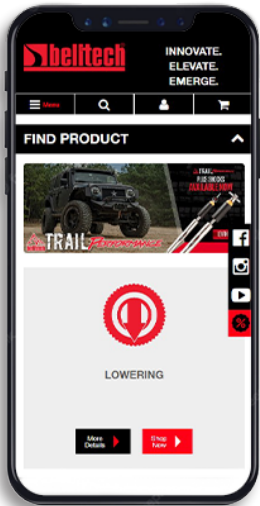
FINALIZING THE INSTALLATION

Check that all components and fasteners have been properly installed and torqued.

Read and perform all tasks in the “Before Driving Your Vehicle” section of page 1 of your instructions.

THANK YOU FOR CHOOSING BELLTECH.

You are now a part of the Belltech family and we are eager to catch a glimpse of your newly modified vehicle. Give us a shout out and let us know how much you love our product. Don't forget, we offer other Belltech related merchandise for you and your vehicle on our website www.belltech.com



belltechsuspension



Belltech Suspension



@belltechsuspension

If you have any questions, concerns, or warranty related issues regarding your Belltech product, please call or email our experienced customer service specialists.

Belltech Customer Support:

Phone: 1-800-445-3767

Email: info@belltech.com



INSTALLATION INSTRUCTIONS

1075 North Ave. Sanger, CA 93657-3539 local: 559-875-0222 fax: 559-876-2259 toll free: 800-445-3767

12203

LEVELING SPACERS SPRING DISTANCE SPACERS

Congratulations! You were selective enough to choose a BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.

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- Note:** It is very helpful to have an assistant available during installation.

RECOMMENDED TOOLS:

- Properly rated floor jack, support stands, and wheel chocks
- Combination wrench set
- Hex Key (Allen) wrench set
- Screwdriver set
- Pliers
- Torque wrench: *0-200 lb ft. range*
- Ratcheting socket wrench and sockets sets
- Safety Glasses

LEVELING SPACERS

Belltech's newly designed leveling spacers are engineered to adjust the ride height differences between the passenger's side and the driver's side on your vehicle. Measure the front end of your vehicle on a level plane and record any differences in measurements. You may want to adjust and level your vehicle during your suspension modification with the appropriate spacers.

Leveling spacers are used in conjunction with O.E.M. upper isolators or the new distance spacers.

SPRING DISTANCE SPACERS

Belltech's new application specific "Spring Distance lift spacers" are manufactured by a specialized injection process. Belltech offers an exclusive spacer system engineered with spring contours to dissipate the spring load evenly over the whole spacer surface. All spacers are designed to lift your vehicle by 1". This could be used to lift your factory ride height as well to adjust an existing lowering. The ease of installation makes this a great 1" lifting solution!

Spring distance spacers will replace the O.E.M. top isolator.

! Coil springs may be under tension. Springs under tension store a great amount of energy. Use caution during the following steps to avoid personal injury and/or damage to vehicle. Be careful not to damage the brake hoses and/or driveline while lifting/supporting rear axle assembly.

KIT INSTALLATION

1. Open the hardware kit and remove all of the contents.
2. Photos below show installation of distance spacers on a typical GM application. Other applications of front suspensions are similar and installation should be the same.
3. Immediately test-drive the vehicle in a remote location so that you can become accustomed to the revised driving characteristics and handling. Be aware that the vehicle will handle substantially different now that it has been modified.
4. We recommend the vehicle be taken in to a qualified wheel alignment facility to be realigned to factory specifications. This should be done after the vehicle has been test driven and all modifications have been completed.
5. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

