



## INSTALLATION INSTRUCTIONS

### 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



