



## INSTALLATION INSTRUCTIONS

5510

**REAR ANTI-SWAY BAR**  
**2001-UP GM 3500 BIG DOOLEY**

**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 - 9/16"
- Ratcheting socket wrench and sockets - 9/16"
- Drill motor
- Drill motor with 3/8 socket attachment
- Safety Glasses

### **KIT INSTALLATION**

1. Open the hardware kit and remove all the contents. Refer to the part list (Page 3) to verify all parts are present.
2. Park the vehicle on a smooth, level concrete or seasoned asphalt surface and activate the parking brake. Block the FRONT wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1<sup>st</sup> gear (manual) or "Park" (automatic).
3. Using a properly rated floor jack, lift the rear wheels of the vehicle off the ground. Place support stands, rated for the vehicle's weight, and in the factory specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.

It is very important that the vehicle is properly supported during this installation to prevent personal injury and chassis damage! Make sure that the supports stands are properly placed prior to performing the following procedures. We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

4. Slowly lower the vehicle onto the stands and, before placing the vehicle's entire weight on them, again check that they properly and securely contact the chassis as described above. Check for possible interference with any lines, wires, cables, or other easily damaged components.

### **ATTACHING THE ANTI-SWAY BAR**

1. Thoroughly lubricate the **inside** of the new polyurethane bushings using the grease provided. Locate the bushings on the far ends of the Belltech Anti-Sway Bar (Photo 3,4). Once located, rotate the bushings slightly too evenly spread the lubricant.

WD-40™ is recommended to help remove excess lubricant. Re-greasing the pivot bushings should be performed at regular intervals. Climate and driving conditions will govern the time between services. Remember to check all hardware while performing bushing maintenance.

2. Insert the Bar from under the vehicle positioning it under the axle with the bar ends pointed forward and angled up (Photo 1,2). Once in position, start from one side and place one U-bolt, saddle, and bushing support plate around the axle. While holding the U-bolt with one hand, attach the Anti-Sway Bar bushing clamp with the other, and loosely thread the hardware into place. Do the same to the other side (Photo 3,4). **Do not** tighten the U-bolts, as they will be securely fastened after all the other components have been put on.

### **END LINK FRAME MOUNT INSTALLATION**

1. On the passenger side of the vehicle hold the end link frame mount to the outside of the frame locating the edge of the mount to the edge of the welded frame section (Photo 5). Use a vice grip or clamp to lock the mount into position. Using a drill motor with an attached 3/8" Socket attach the 5 self-drilling/tapping screws securely into the frame (Photo 6,7).
2. Attach the driver's side end link frame mount in the same order as the passenger side.

### **FINAL ATTACHMENTS**

1. Connect the dog bone end-links from the frame mounts to the Anti-Sway Bar ends using the 3/8" x 2 1/2" bolts, washers, and nylon lock nuts (Photo 8). Securely fasten the end-links in place.
2. Before tightening the U-bolts to the axle, make sure the Anti-Sway Bar is centered from side to side, and is centered directly under the axle. Next, tighten the u-bolts in place; make sure the Anti-Sway Bar stays centered under the axle tube while tightening.
3. Check that all components and fasteners have been properly installed, tightened and torqued.
4. Check brake hoses, cables, lines and other components for any possible interference.
5. Lift vehicle and remove support stands. Carefully lower vehicle to ground.
6. 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.
7. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

## PART LIST FOR 5510 ANTI-SWAY BAR KIT

Part Number	Quantity	Description
5510-300	1	Anti-Sway Bar
113085	2	Urethane Pivot Bushing
112262	2	Axle U-Bolt Clamp
110255	6	3/8-16 Lock Nut
115003	2	Base Plate
115002	2	Bushing Bracket
114050	2	Dog Bone End Link
112108	2	3/8-16 X 2.5 Bolt Grade 8
110255	2	3/8-16 Lock Nut
55000-10	1	Grease Pack
5510-888	1	INSTRUCTIONS
5501	1	UNIVERSAL FRAME MOUNT KIT



