



INSTALLATION INSTRUCTIONS

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5410 FRONT ANTI-SWAY BAR 2001-UP GM 3500 BIG DOOLEY

Thank you for being selective enough to choose our high quality 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"
- Torque wrench: 0-75 lb ft. range
- Ratcheting socket wrench and sockets: 10mm, 9/16"
- Safety Glasses

KIT INSTALLATION

1. Open the hardware kit and remove all of the contents. Refer to the part list (Page 3) to verify that all parts are present.
 2. Park the vehicle on a smooth, level concrete or seasoned asphalt surface and activate the parking brake. Block the REAR wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1st gear (manual) or "Park" (automatic).
 3. Using a properly rated floor jack, lift the front wheels of the vehicle off the ground. Place support stands, rated for the vehicle's weight, 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.

5. Remove the original front Anti-Sway Bar and end links from the vehicle. The new Belltech Anti-Sway Bar kit will replace the pivot bushings, pivot bushing brackets, and end links.
 6. Thoroughly lubricate the **inside** of the new polyurethane bushings using the grease provided. Attach the bushings on the Belltech Anti-Sway Bar so that they will align with the factory mounting locations. Use the factory Anti-Sway Bar as reference. Once located, rotate the bushings slightly to 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.
7. Install the new Belltech Anti-Sway Bar onto the chassis in the reverse order of removal. Align the slotted holes in brackets with their original mounting holes. Loosely thread the hardware into place.
- !** The Bar should be installed so that the ends pass **ABOVE** the steering tie-rods. Shift the bar side-to-side and front-to-back to center on the chassis. Be **cautious** not to damage brake lines while installing the Anti-Sway Bar.
8. Using a 10mm socket, tighten and torque the bracket hardware to 19 lb ft. A socket may be required to access the bolt on the backside of the pivot-bushing bracket.
 - !** All hardware being fastened to the vehicle's original fastening points should be torqued to the proper specifications. To prevent chassis damage, never over-torque the hardware.
 9. Install the new end-links in the same orientation as the original. Install the bolts with the cupped washers and grommets from above so that the heads face up and the lock nuts will be located at the bottom. Thread the lock nuts on by hand. Make sure to install both sides before nuts are tightened. Use the 9/16" wrench and 9/16" socket to tighten the end-link hardware. Tighten only until the urethane end-link grommets just begin to bulge.
10. Check that all components and fasteners have been properly installed, tightened and torqued.
 11. Check brake hoses, steering and other components for any possible interference.
 12. Lift the vehicle and remove the support stands. Carefully lower the vehicle to the ground.
 13. 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.
 14. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.
- !** We highly recommend installing the appropriate matching Belltech rear Anti-Sway Bar to maintain proper handling characteristics and performance. See the current Belltech Application Guide or contact your nearest Belltech Dealer for the appropriate part number for your application.

PART LIST FOR 5410 FRONT ANTI-SWAY BAR KIT

PART NO.	DESCRIPTION	QTY.
5410-300	Anti-Sway Bar	1
112134	Bolt 3/8"-16 X 6"	2
112502	Cup Washer 3/8"	8
55000-10	Grease Pack	1
110255	Nylock Nut 3/8"-16	2
112416	Spacer 3/8" X 2"	2
113000	Urethane End-link Grommet	8
50050-020	Urethane Pivot Bushing	2