



INSTALLATION GUIDE

PART NUMBER: 5503

REAR ANTI-SWAY BAR

GM C1500 TRUCK | 1988-1998

GM C2500 TRUCK SIX LUG | 1988-1998

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 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 the components listed on the parts list are 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 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, in 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 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.



DIFFICULTY:



INSTALLATION TIME: 1 Hour

RECOMMENDED TOOLS:

- Properly rated floor jack
- Support stands
- Wheel chocks
- Metric and standard socket wrench set
- Metric and standard wrench set
- Drill with drill bit set
- Safety glasses
- Torque wrench rated up to 150 ft lbs.

JACKING, SUPPORTING, AND PREPARING THE VEHICLE

1. Park your vehicle on a smooth, level, concrete, or seasoned asphalt surface.
2. Block the front wheels of the vehicle using wheel chocks. Make sure the vehicle's transmission is in "PARK" (automatic) or first gear (manual).
3. Activate the parking brake.
4. Lift the rear of the vehicle off the ground using a properly rated floor jack. Lift the vehicle so the rear tires are approximately 6-8 inches off the ground.
5. Place support stands rated for the vehicle's weight. The stands must be positioned in the factory specified locations. (Refer to the owner's manual). Prior to lowering the vehicle onto stands, make sure the support stands will contact the chassis. It is very important that the vehicle is properly supported to prevent any harm to oneself or to the vehicle.
6. Lower the vehicle slowly onto the stands.



Technician reminder:

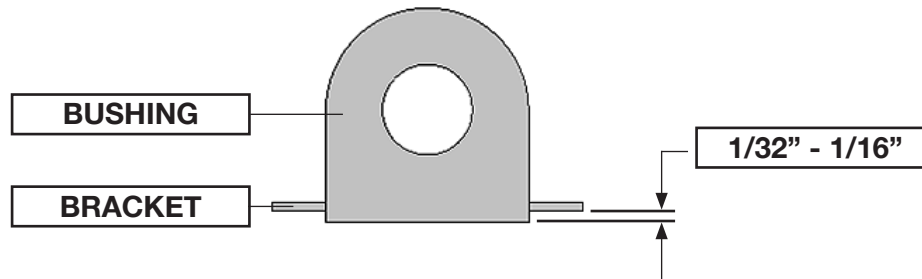
Never work under a vehicle supported only by a jack. It is necessary to place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

BELLTECH SWAY BAR INSTALLTION

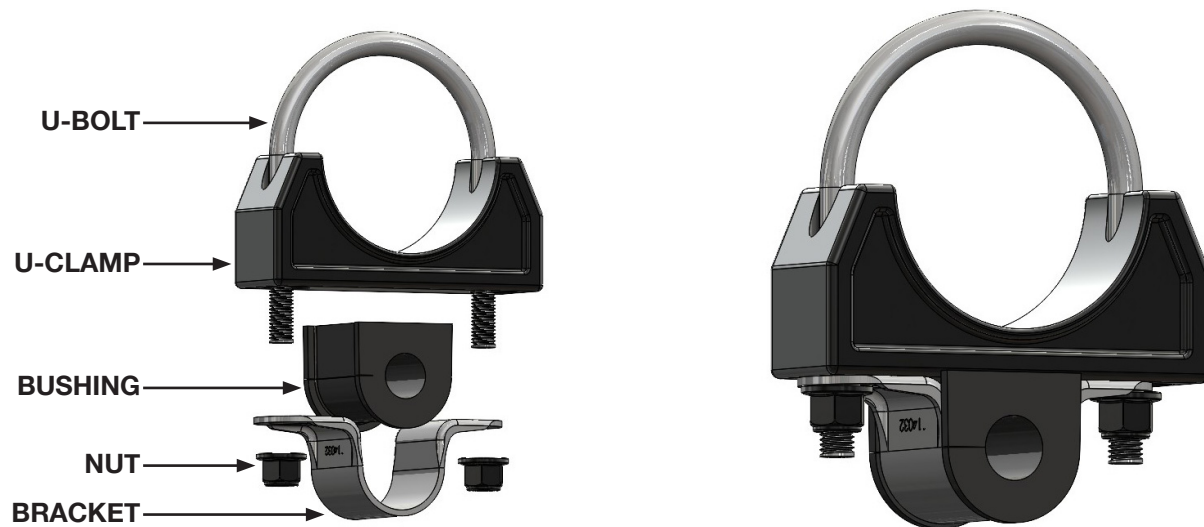
7. Thoroughly lubricate the inside of the supplied pivot bushings using the grease packet included with the kit.
8. Place the bushings on both sides of the Belltech sway bar, centered on the first set of bends. Once located, rotate the bushings slightly to evenly spread the lubricant. Place the supplied bushing brackets over the bushings.



9. Ensure there is 1/32" to 1/16" of the bushing is showing after the bracket is seated. If the bushing is showing more than 1/16", use a sander or a sheet of coarse grit sandpaper to shave it down to the proper height.



10. The pivot bushing hardware will be assembled as shown in the diagram below.



BELLTECH SWAY BAR INSTALLTION CONTINUED

11. Carefully bend the hydraulic line away from the axle. Locate the supplied U-bolt and place it through the top of the axle. Ensure the brake line is not clamped under the U-bolt.



12. Place the U-clamp under the axle, sliding the U-bolt ends through the U-Clamp.



13. Mount the Belltech sway bar with the bushings and brackets onto the U-Clamp.



14. Fasten one side of the U-bolt with the supplied nut, hand tightened at this time.



BELLTECH SWAY BAR INSTALLTION CONTINUED

15. Hand tighten the opposite side of the U-bolt with the supplied nut.



16. Repeat these steps on the opposite side of the sway bar.



17. Ensure the sway bar is positioned centered under the axle. Torque the U-bolt nuts to 30 ft lbs.



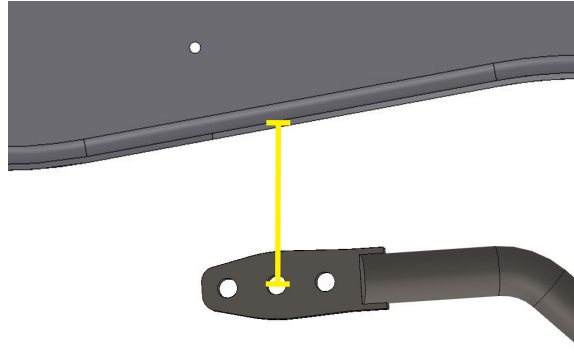
BELLTECH SWAY BAR INSTALLTION CONTINUED



Technician note:

Center the Belltech sway bar left to the right and front to rear. Position the U-bolts and clamps to the widest spacing possible, inboard of the lower shock mounts. This will prevent the sway bar from shifting left or right while cornering. Use a floor jack to raise the rear axle until the jack stands are just beginning to unload. Check for vehicle stability.

18. Raise the ends of the sway bar until the vertical distance from the end link bolt hole to the bottom side of the frame rail is 4-1/16" for C1500 trucks or 7-1/16" for C2500 trucks. Mark the location on the bottom of the frame directly over the end link bolt hole.



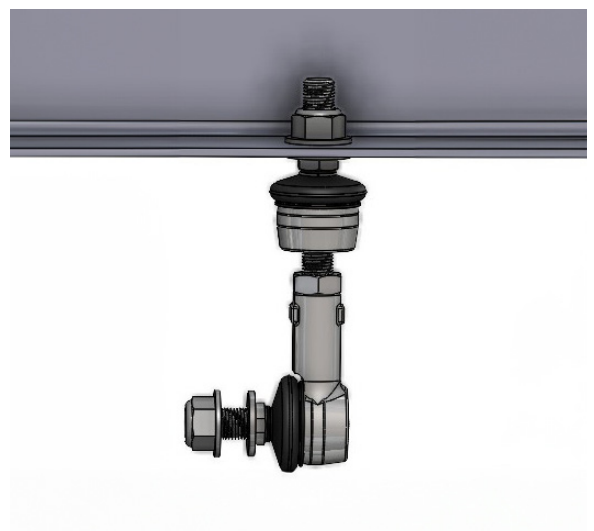
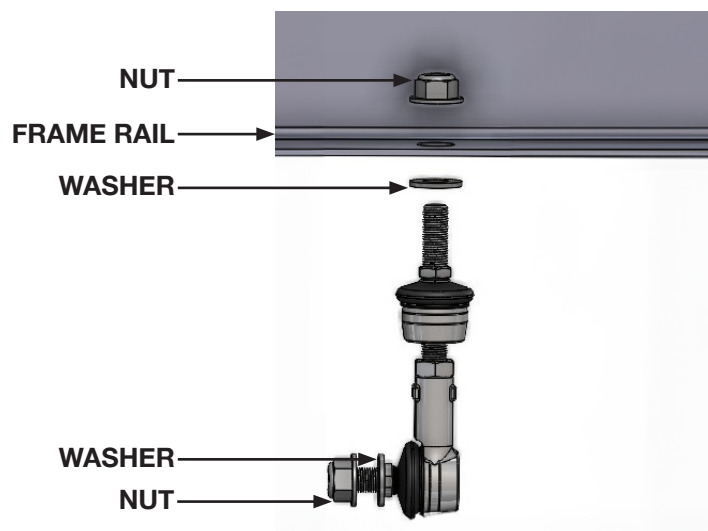
19. Lower the rear axle and check for vehicle stability. Drill through the bottom flange of the frame rail at the marked location with a 9/16" drill bit.



Technician warning:

Before drilling, check for electrical, fuel, and brake system components on the inside of the frame rail being drilled. Relocate the components as necessary so they are not damaged during the frame modification.

20. Assemble end links onto the frame rails as shown in the diagrams below.

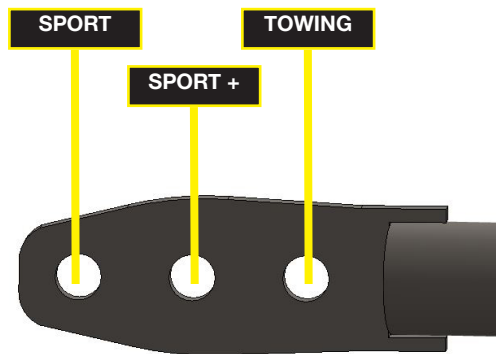


BELLTECH SWAY BAR INSTALLTION CONTINUED

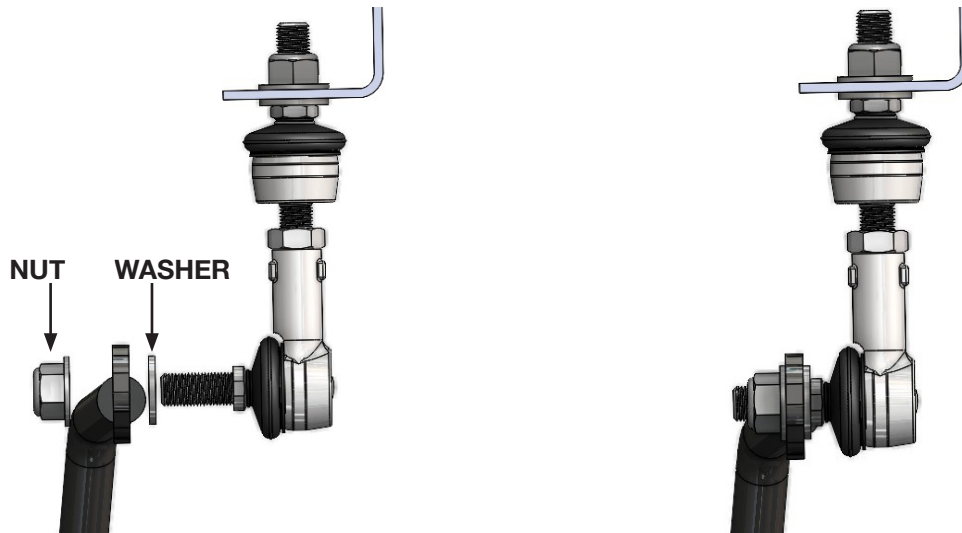
21. Ensure the jam nut is tightened and secure to the spherical bearing.



22. Please choose a sway bar setting for your vehicle: SPORT, SPORT PLUS, OR TOWING (SPORT is softer and TOWING is firm).



23. Attach the lower sealed rod end link onto the Belltech sway bar. Ensure the washer is placed between the sealed rod end link and the sway bar. Fasten the end link with the supplied flanged 1/2"-13 nut.



24. Repeat the end link assembly steps on the opposite side. Torque the end link nuts to 45 ft lbs.

BELLTECH SWAY BAR INSTALLTION CONTINUED

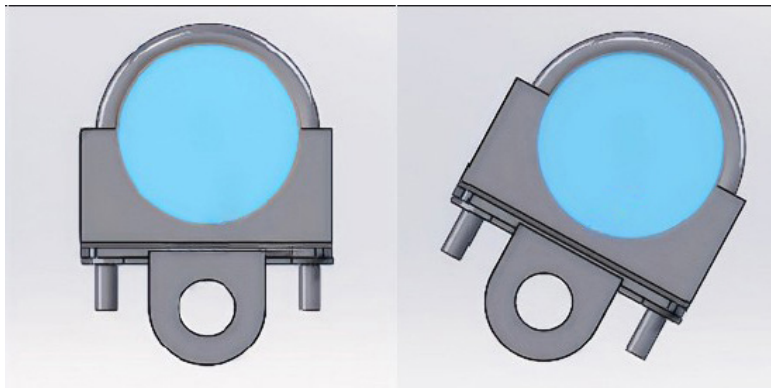
25. Ensure the Belltech sway bar clears the rear axle differential.



26. Ensure the Belltech sway bar clears the rear track bar bracket.



27. If there is contact with the Belltech track bar, loosen and pivot the U-bolt axle clamps forward.



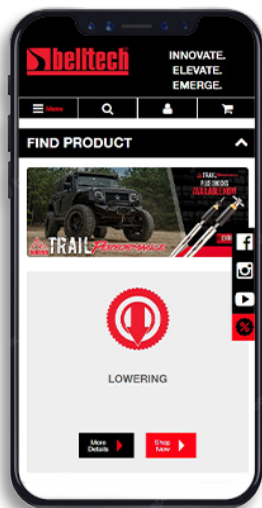
28. Check the brake hoses and other components for interference. Adjust, as necessary.

FINALIZING THE INSTALLATION

29. Lift the vehicle and remove the support stands.
30. Carefully lower the vehicle onto flat ground.
31. Check that all components and fasteners have been properly installed and torqued.
32. 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



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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:

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Email: info@belltech.com

KIT CONTENTS



SWAY BAR KIT		
Part number	Description	Qty
5503-300	3/4" REAR ANTI-SWAY BAR	1
5503-777	HARDWARE KIT	1

HARDWARE KIT		
Part number	Description	Qty
113195	3/4" PIVOT BUSHING	2
114032-95	PIVOT BUSHING BRACKET	2
115020-967	U-CLAMP	2
11U2012-M565	U-BOLT	2
110280	M10 X 1.5 FLANGED NUT	4
110403	1/2"-20 NYLOC NUT	2
110625	3/8" FLAT WASHER	8
112152	M2F - BALL HEIM JOINT	2
112251	M2M - BALL HEIM JOINT	2
55000-10	WHITE LITHIUM GREASE	1



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