



# INSTALLATION GUIDE

## PART NUMBER: 5486 FRONT ANTI-SWAY BAR

- CHRYSLER 300C | 2004-2011
- DODGE CHARGER | 2006-2011
- DODGE CHALLENGER | 2008-2011
- DODGE MAGNUM | 2005-2008

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PHONE: 800-445-3767 | EMAIL: [INFO@BELLTECH.COM](mailto: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](mailto: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 socket wrench set
- Metric wrench set
- Safety glasses
- Torque wrench rated up to 100 ft lbs.

## JACKING, SUPPORTING, AND PREPARING THE VEHICLE

1. Park your vehicle on a smooth, level, concrete, or seasoned asphalt surface.
2. Block the rear 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 front of the vehicle off the ground using a properly rated floor jack. Lift the vehicle so the front 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.

## ORIGINAL SWAY BAR REMOVAL

7. Locate the heat guard covers that are attached over the bushing brackets on cross member of the vehicle. Remove the 8mm bolts to detach the guard covers from the vehicle. Place the covers and hardware aside.



8. Remove the 21mm lower end link nuts. Use a wrench to hold the end link stud if it spins during removal. Leave the end link stud within the sway bar ends for now.

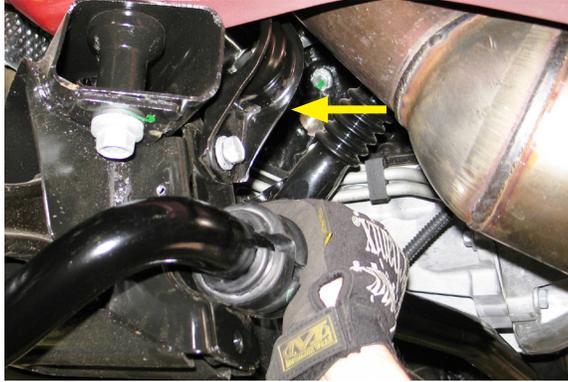


9. Loosen the upper 15mm bushing bracket bolts, but do not remove the bolts yet. Remove the lower the 15mm bushing bracket bolts completely.



## ORIGINAL SWAY BAR REMOVAL CONTINUED

10. Ensure upper bushing bracket bolts are loose enough to rotate the bottom of the bushing bracket upward exposing the bushings.

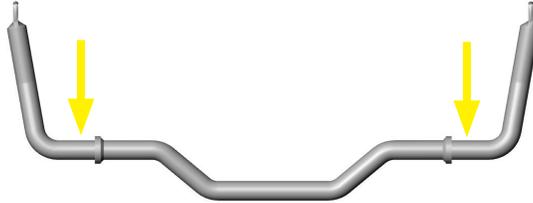


11. Pull the original equipment sway bar downward, out of the bushing brackets. Pull the end links away from the ends to detach the sway bar assembly from the vehicle.



## BELLTECH SWAY BAR INSTALLATION

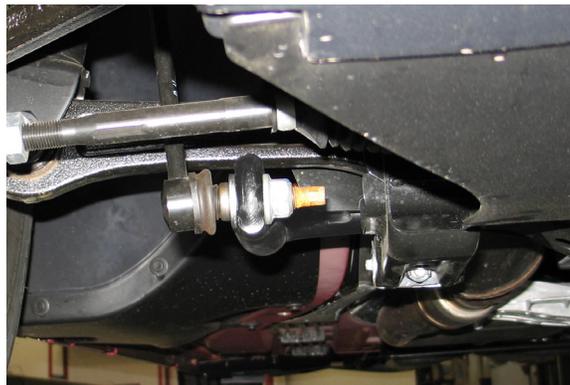
12. Thoroughly lubricate the inside of the supplied pivot bushings using the grease packet included with the kit.
13. Place the bushings on both sides of the Belltech sway bar, near the position of the original sway bar. Once located, rotate the bushings slightly to spread the lubricant evenly.



14. Hold the new Belltech sway bar up and attach one end of the end link and finger-tight the original nut only. Swing the other end of the bar up and attach the opposite side end link; finger-tight the original nut. The sway bar should now be hanging down from the end links.
15. Rotate the center of the sway bar upward to where the new bushings fit into the original bushing brackets. Place the Belltech sway bar in the original position on the cross member mounts.
16. Rotate the original bushing brackets down to their original position. Torque the original upper and lower bushing bracket bolts to 44 ft lbs.



17. Torque the end link nuts to 95 ft lbs.



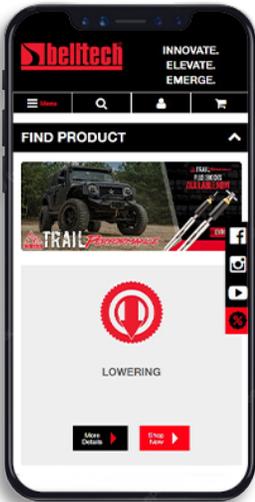
18. Attach the heat shield guard covers using the original bolts, in their original position. Hand tighten the bolts.

# FINALIZING THE INSTALLATION

19. Lift the vehicle and remove the support stands.
20. Carefully lower the vehicle onto flat ground.
21. Check that all components and fasteners have been properly installed and torqued.
22. 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](http://www.belltech.com)



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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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# KIT CONTENTS



SWAY BAR KIT		
Part number	Description	Qty
50504-300	1-1/4" FRONT SWAY BAR	1
50504-777	HARDWARE KIT	1

HARDWARE KIT		
Part number	Description	Qty
50504-020	1-1/4" PIVOT BUSHING	2
55000-10	WHITE LITHIUM GREASE	1



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