



# INSTALLATION GUIDE

**PART NUMBER: 5481**  
**FRONT ANTI-SWAY BAR**  
**CHEVROLET CAMARO | 2010-2015**

300 W. PONTIAC WAY. CLOVIS, CA 93612  
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:** 1-2 Hours

## RECOMMENDED TOOLS:

- Properly rated floor jack
- Support stands
- Wheel chocks
- Metric socket wrench set
- Metric wrench 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 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. Loosen, but do not remove, the front driver side wheel lug nuts only.
5. 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.
6. 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.
7. Lower the vehicle slowly onto the stands.
8. Remove the lug nuts and the front driver side wheel only.



### 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

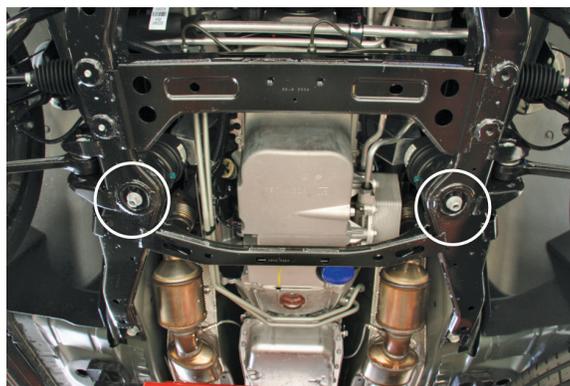
9. Remove the 15mm lower end link nuts. It may be necessary to hold 7mm stud with a wrench to stop it from spinning while the nut is removed. Detach the sway bar from the end links.



10. The pivot bushings and brackets are located on top of the front subframe, near the steering rack. Remove the four 13mm pivot bushing bracket nuts, then remove the bracket and bushings. Rest the sway bar on top of the subframe for now.



11. Break loose the two 18mm nuts that secure the engine mounts to the front subframe. Back the nuts off until only three to four full threads remain engaged.



## ORIGINAL SWAY BAR REMOVAL CONTINUED

12. Use a floor jack and a block of wood to support the engine at the front of the oil pan and lift the entire engine assembly up until it stops against the two loosened engine mount nuts.



### Technician reminder:

DO NOT RAISE THE ENGINE EXCESSIVELY IF THE NUTS ACCIDENTLY BACK OFF THE ENGINE MOUNT STUDS.  
ENSURE NONE OF THE COOLANT LINES OR ELECTRICAL HARNESSSES ARE PINCHED OR STRETCHED.

13. With the added clearance, the sway bar will clear the steering tie rod boot. Ensure not to damage the boot. Carefully guide the original sway bar out, in a spiraling motion, from above to the engine subframe through the driver side wheel well. Do not damage the alternator pulley or AC lines.



# BELLTECH SWAY BAR INSTALLATION

14. Before the new Belltech sway bar is mounted, tape the exposed edge of the subframe sheet metal and sway bar bracket studs on both sides with painters tape or duct tape. This will prevent excess scratching of the new Belltech sway bar as it is maneuvered into position above the front subframe.



15. Begin from the driver side wheel and guide the sway bar into position above the front subframe. Again, do not damage the alternator pulley or AC lines.
16. Lower the engine to its original position and tighten the two subframe engine mount nuts to 37 ft lbs. Ensure the lines are not pinched or stretched in the process.
17. Attach the original end links to the Belltech sway bar ends and fasten with the original nuts. Torque to 36 ft lbs. Ensure the rubber boot on the end link is not stressed or kinked.
18. Thoroughly lubricate the inside of the supplied pivot bushings using the grease packet included with the kit.
19. 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 evenly spread the lubricant.



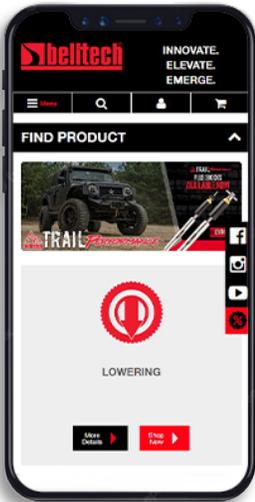
20. Place the supplied bushing brackets on the new bushings. Fasten the bushing brackets with the original nuts and the supplied 3/8" washers. Torque to 16 ft lbs.
21. Remove the masking tape used during installation.
22. Mount and fasten the front driver side wheel but do not torque yet.

# FINALIZING THE INSTALLATION

23. Lift the vehicle and remove the support stands.
24. Carefully lower the vehicle onto flat ground.
25. Torque the lug nuts to 122 ft lbs.
26. Check that all components and fasteners have been properly installed and torqued.
27. 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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Email: [info@belltech.com](mailto:info@belltech.com)

# KIT CONTENTS



SWAY BAR KIT		
Part number	Description	Qty
5481-300	1-1/8" FRONT SWAY BAR	1
5481-777	HARDWARE KIT	1

HARDWARE KIT		
Part number	Description	Qty
112518	3/8" WASHER	4
114032-95	PIVOT BUSHING BRACKET	2
113175	1-1/8" PIVOT BUSHING	2
55000-10	WHITE LITHIUM GREASE	1



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