



## INSTALLATION INSTRUCTIONS

5419

FRONT ANTI-SWAYBAR

### 2019 CHEVROLET SILVERADO 2WD CREW CAB

**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 and six (6) support stands
- Wheel chocks
- 1/2" drive torque wrench
- Standard and Metric socket wrench set
- Standard and Metric wrench set
- Torque wrench 0-75 lb. / ft. range
- Safety Glasses.

**Note: It is very helpful to have an assistant during installation.**

**SAFTEY REMINDER: PROPER USE OF SAFTEY EQUIPMENT AND EYE/FACE/HAND PROTECTION IS ABSOLUTELY NECESSARY WHEN USING THESE TOOLS TO PERFORM PROCEDURES.**

## KIT INSTALLATION

### 1) JACKING, SUPPORTING AND PREPARING THE VEHICLE

- a) Park the vehicle on a smooth, level concrete or seasoned asphalt surface and activate the parking break. 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)
- b) Using a properly rated floor jack, lift the front wheels of the vehicle off the ground. Place support stands, rated for the vehicles weight, in the factory specified locations. Refer to the vehicles Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.

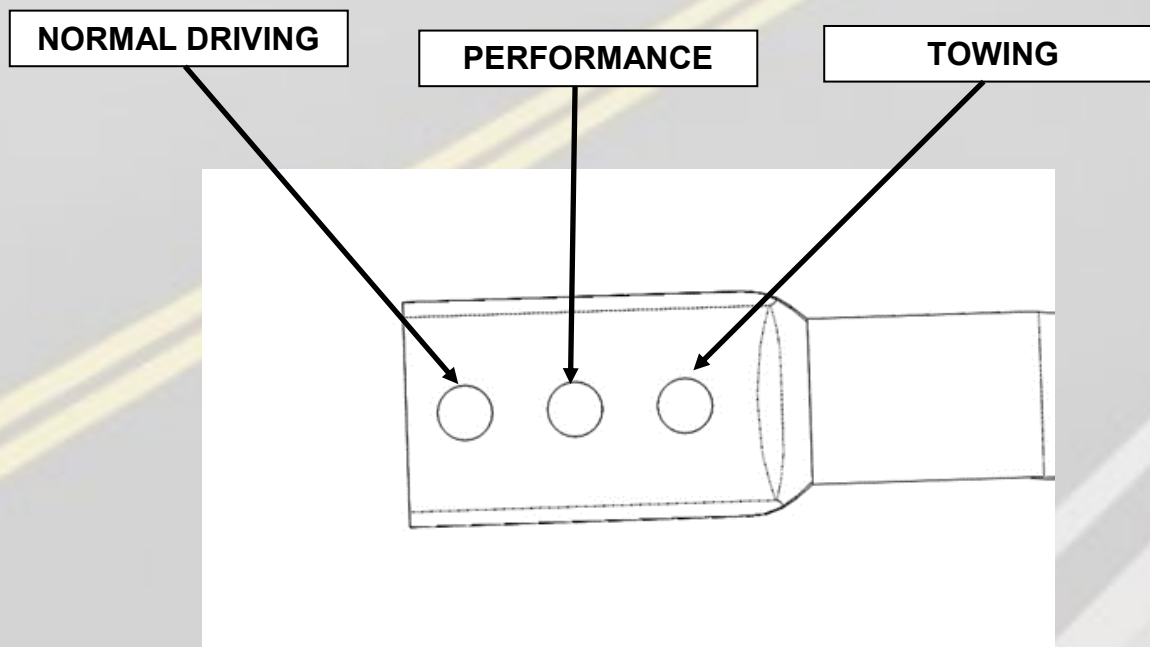
**It is very important that the vehicle is properly supported during this installation to prevent frame damage and personal injury! Make sure that the support stands are properly placed prior to performing the following procedures.**

- c) Lower the vehicle onto the stands slowly and check for possible interference with any break lines, wire and or cables.
- d) Remove the front wheels
- e) Remove the original front anti-sway bar from the vehicle. Starting with the end links using a 18mm wrench and a 9mm wrench and a 10mm socket to remove the bolt from the OEM pivot bushing bracket. **(PHOTO 1 & 2)**
- f) The Belltech 5419 Sway bar will utilize the OEM hardware along with the supplied pivot bushing and bracket.
- g) Using the grease pack supplied, use and cover the inside of the supplied bushings; then install on the Belltech Anti-Sway bar.
- h) Reinstall the Belltech Anti-Sway bar onto the chassis in the reverse order of removal. Align the holes in the supplied bracket with their original mounting holes. Loosely thread the original hardware into place.



**The bar should be installed so that the ends pass ABOVE the lower control arms. 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 Belltech Anti-Sway bar.**

- i) Using a 10mm socket, tighten and torque the bracket hardware to 19 lb/ft
- j) Install the end-link onto the Belltech Anti-Sway bar using the OEM nut. For settings selection please refer to **(DIAG 1)**
- k) Check all components and fasteners have been properly installed and torqued.
- l) Reinstall the front wheels. Tighten and torque the lug nuts to the Manufacture's specifications.
- m) Check the brake hoses, steering and other components for any possible interference.
- n) Lift the vehicle and remove support stands. Carefully lower vehicle to the ground.
- o) 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.
- p) Installation is complete. Check ALL of the hardware and re-torque at intervals for the first 10, 100, 1000 miles. ds slowly and check for possible interference with any break lines, wire and or cables.



**DIAG 1**

<b>PARTS LIST</b>		
<b>PART #</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
5419-300	BELLTECH ANTI-SWAYBAR	1
113110	PIVOT BUSHING	2
115002	PIVOT BUSHING BRACKET	2
55000-10	GREASE PACK	1



## INSTALLATION INSTRUCTIONS

5519  
REAR ANTI-SWAY BAR  
2019 CHEVROLET SILVERADO CREW CAB 2WD/4WD

**This anti-sway bar is designed for vehicles with flipped rear suspension!**

**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 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 necessary when performing the outlined procedures.
- Note: It is helpful to have an assistant available during installation.

### RECOMMENDED TOOLS:

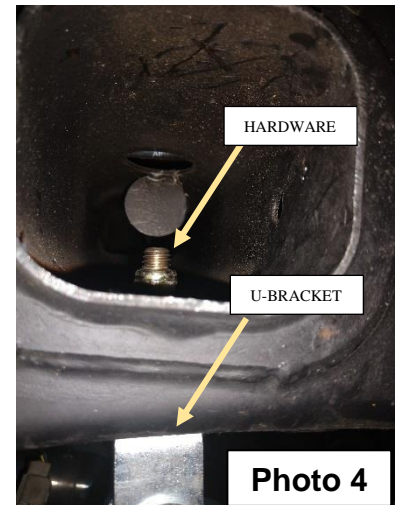
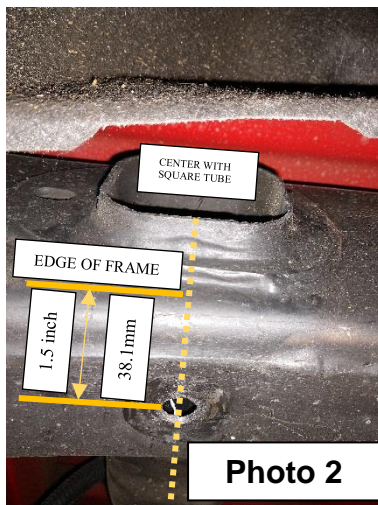
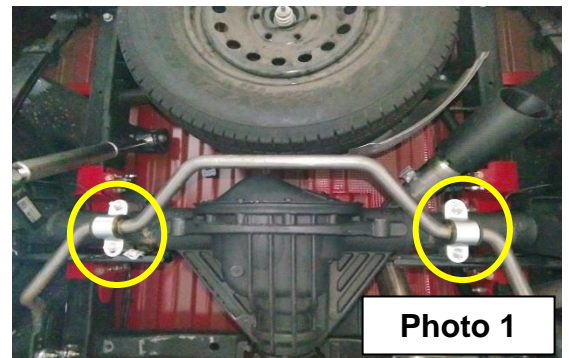
- Properly rated floor jack, support stands, and wheel chocks
- 17/32" drill bit and power drill
- Electric or pneumatic grinder
- Combination wrench: (9/16", 3/4")
- Ratcheting socket wrench and sockets (9/16")
- Safety Glasses

## **KIT INSTALLATION**

1. Open the hardware kit and remove it's contents. Refer to the parts list (Page 5) 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. Chock 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, 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 support stands are properly placed prior to performing the following procedures. We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

4. Thoroughly lubricate the **inside** of the new polyurethane bushings using the grease provided. Locate and attach the bushings on the Belltech Anti-Sway Bar (ASB) (**Photo 1**). Once located, rotate the bushings slightly to evenly spread the lubricant.
5. Locate the square tube crossmember on the frame. Measure 1.5 inch [ 38.1 mm] from the outside edge of the frame to the center of the frame and mark. Maintain the center of the square crossmember. (**Photo 2**). Drill a 7/16" [11.113 mm] hole, directly into the frame until you pass through the square crossmember.

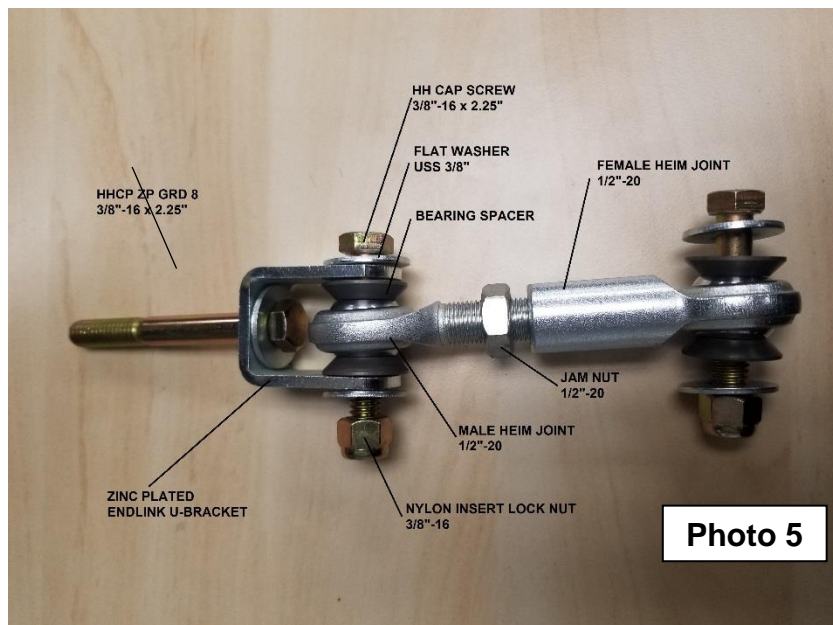


6. Tighten the bracket to the cross beam to 80 ft/lb. of torque using the supplied 2.25" long 3/8"-16 bolt. (**Photo 3 & 4**)

7. Assemble the end link as shown in **(Photo 5)** Attach the end-link assembly to the mounting bracket and secure hand tight with the supplied 3/8"-16 X 2.25" HHCS bolt, 3/8" – 16 Nyloc nut and 3/8" USS flat washer on each side of the bracket.

**\*\*The jam nut should be tightened to eliminate the Link from coming out of adjustment. \*\***

8. Insert the bar from under the vehicle positioning it under the axle with the bar ends pointed forward and above the leaf springs. Once in position, start from one side and place one U-bolt, saddle, and bushing support plate around the axle. See **(DIAG. 2)**



**IMPORTANT: U-bolt is to be placed under the existing brake line and such that the A.S.B. is not tangled up in the parking brake cables.**

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 using the supplied 3/8" – 16 Nyloc Nut and 3/8" USS flat washer. Do the same to the other side. Do not tighten the U-bolts, as they will be securely fastened after all the other components have been installed.

**WD-40™ is recommended to help remove excess lubricant.**  
*Re-greasing the pivot bushings should be Performed at regular intervals.*

9. Attach the bottom of each end-link assembly onto the Belltech anti-sway bar using the 3/8"-16 X 2.25" HHCS bolt, 3/8" – 16 Nyloc nut, and 3/8" USS flat washers. The end-links should be inboard of the ASB. **(Photo 6)** Make sure there is a washer between the Sway bar and the fastening nut. We recommend testing the Bar in its softest adjustment, which is the hole furthest towards the front of the vehicle, each remaining adjustment will stiffen the roll resistance forces by 10%. **(See Photo 5 for bolt assembly reference)**

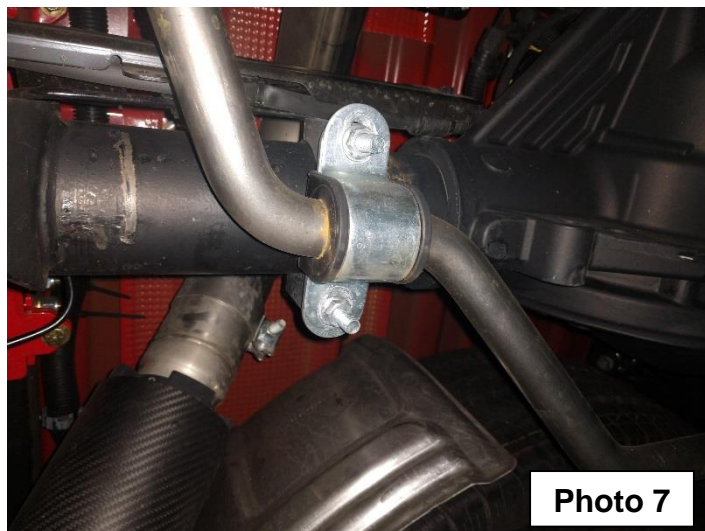


**\*\*The end links are adjustable; adjust the end links to get the sway bar as parallel with the ground. This is easily achieved once the vehicle is flat on the ground. \*\***

10. Center the A.S.B in the bushings once the end-link hardware is tightened. Both A.S.B bushings and bracket assemblies should now be centered in the straight portion of the bar, between the bends (**Photo 7**). The Anti-Sway Bar bushing clamp and hardware should be rotated onto the bottom side of the axle so that the end links are in a vertical position when looking from the side of the vehicle.

11. Tighten and torque the U-bolt bracket hardware to 19 ft•lbs.

12. 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.



13. Check that all components and fasteners have been properly installed, tightened and torqued.

14. Check brake hoses, and other components for any possible interference.

15. Lift vehicle and remove support stands. Carefully lower vehicle to ground.

16. 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.

17. Installation is complete. Check all hardware and re-torque at intervals for the first 10, 100, 1000 miles.



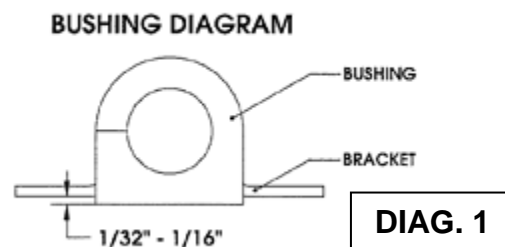
## **! BELLTECH INSTALLATION TIPS**

### **LUBRICATION**

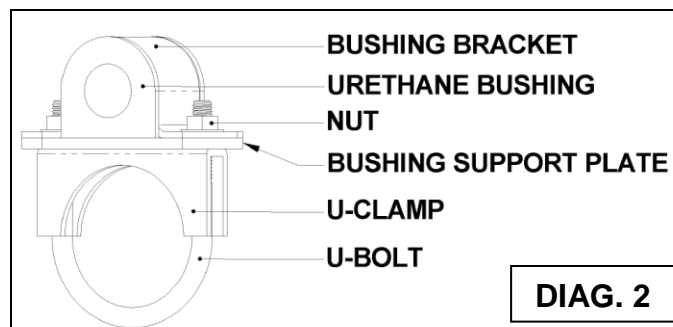
Pre-lubricating the inside of the bushing before it's installed is critical. The lubrication will greatly reduce noise and increase bushing life. Belltech recommends you use Molybdenum disulfide to protect the inside surface of the bushing due to its increased life compared to other grease types. Thoroughly lubricate the inside of the bushing with this grease.

### **BUSHING INSTALLATION**

Make sure an amount of 1/32" to 1/16" of the bushing is showing when you install it onto the bracket. See the diagram below. If the bushing is showing more than 1/16" then use a sander or a sheet of coarse grit sand paper to shave it down to the proper height.



### **AXLE CLAMP DIAGRAM**



**PART LIST FOR 5559  
ANTI-SWAY BAR KIT**

<b>QTY</b>	<b>Part #</b>	<b>DESCRIPTION</b>
1	5519-300	PAINTED REAR SWAY BAR
2	115002-95	ZINC PLATED PIVOT BUSHING BRKT
2	115003-95	ZINC PLATED BUSHING SUPPRT PLT
2	113085	PIVOT BUSHING 1.125"
1	55000-10	GREASE PACK
6	110255	NYLON INSERT LOCK NUT 3/8"-16
12	112518	FLAT WASHER USS 3/8"
2	112260	U-CLAMP 3-1/4"
2	112248	MALE HEIM JOINT 1/2"-20
2	112249	FEMALE HEIM JOINT 1/2"-20
8	57400-045	BEARING SPACER- TOE ADJUSTER
2	112326	JAM NUT 1/2"-20
2	71001-007-95	ZINC PLATED ROD END BRACKET
6	112106	HH CAP SCREW 3/8"-16 X 2-1/4"