



## INSTALLATION INSTRUCTIONS

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### 5528 REAR ANTI SWAY BAR ASTRO & SAFARI VAN

**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 set
- Torque wrench: 0-75 lb ft. range
- Ratcheting socket wrench and socket sets
- 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 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, and 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. Thoroughly lubricate the **inside** of your new hyperthane bushings using the grease packet included with the kit. Place the bushings on the new Anti-Sway Bar, just inside of the 90° bends.

**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.

6. Install the U-clamps over the axle tubes just inside the shock mounts. Make sure the brake lines are not underneath the clamp or else damage leading to brake failure could occur. Carefully bend hydraulic lines out of the way if required, place the bushing plate, bushing bracket, bushing and Sway Bar on the U-clamp and hand tighten the nuts. Position the bar below the axle housing, with arms pointing rearward.
7. Center Anti-Sway Bar left to right and front to rear, directly below the rear end. Torque U-bolts to 18 ft/lbs.
8. On the inside edge of the frame rails, scribe a mark approximately 10" from the backside of the bumper mount and approximately 3/4" from the bottom of the frame rail.
9. Center punch at scribed marks and drill a 3/8" hole through both sides of both frame rails.
10. Fasten end link hangers to frame rails through holes just drilled using the 3/8" by 4" bolts, 3/8" washers and nuts supplied in the kit. Torque the nuts to 16 ft/lbs. **CAUTION: Do not** crush frame rails.
11. Fasten ends of Anti-Sway Bar to end link hangers as shown in the diagram. Install the kit supplied end links as shown on the attached sheet. Tighten the nut on the end link bolt so only the center spacer sleeve can be rotated firmly by hand.
12. Replace wheels and torque lug nuts to 70 ft/lbs.

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.

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 of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

## **INSTALLATION TIPS FOR BUSHINGS**

- 1) Pre-lubricating a bushing before its installation is important because the lubrication will greatly reduce bushing noise and it will increase bushing life. Belltech recommends using the grease packet included in the kit. This will help protect the inside surface of the bushing and will last longer than most other types of grease. Thoroughly lubricate the inside of the bushing with this grease.

Make sure a maximum of 1/32" to 1/16" of the bushing is showing when you install it into the bracket. See the diagram below. If the bushing is showing more than 1/16", then use a belt sander or a sheet of coarse grit sand paper to shave it down to the proper height. In most applications you may refer to your original equipment Anti-Sway Bar to locate the proper place the new bushing belongs on your new Belltech Anti-Sway Bar.

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.

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

<b>PART No.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
5528-300	Rear Anti Sway Bar	1
113205	Pivot Bushing 7/8"	2
113000	End Link Grommet	8
112258	3" U-Clamp	2
115004	Hanger End Link Bracket	2
114038	Under Support Plate	2
114032	Bushing Bracket	2
112502	Cupped Washer Large	8
110255	3/8"-16 NyLock Nut	8
112118	3/8"-16 x 4" HHCS	2
112126	3/8"-16 x 5" HHCS	2
112138	3/8"-16 x 6-1/2" HHCS	2
112088	3/8"-16 x 10" HHCS	2
112400	1/2" OD x .049 wall x 1" long Spacer Tube	2
112422	1/2" OD x .049 wall x 2.5" long Spacer Tube	2
112456	5-1/2" x 3/8" Spacer Tube	2
110625	Flat Washer 3/8"	8
55000-10	Grease Pack	1

