



INSTALLATION INSTRUCTIONS

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51005 REAR ANTI-SWAYBAR '77 - '83 BMW 320I

Congratulations! You were selective enough to choose a SUSPENSION TECHNIQUES 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.

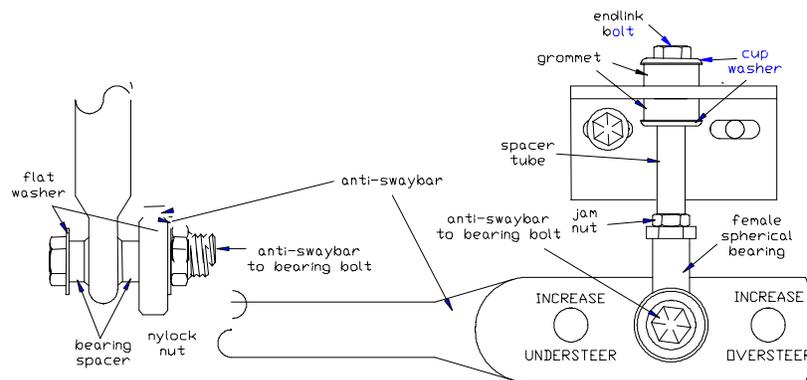
RECOMMENDED TOOLS:

- Properly rated floor jack, support stands, and wheel chocks
- Combination wrench set
- 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 1st 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.
4. 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.

5. 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.
6. Remove the original equipment anti-swaybar from the vehicle. Note the position of the anti-swaybar as you remove it from the vehicle to ease the installation of your new Suspension Techniques anti-swaybar.
7. Place the new Suspension Techniques anti-swaybar on the ground behind the vehicle. Point the arms should to the rear of the vehicle. If the anti-swaybar is in the correct position the center of it will be approximately two inches off the ground.
8. Thoroughly lubricate the **inside** of your new hyper thane bushings using a high-grade lithium or silicone-based grease with molybdenum disulfide (moly). Place the bushings on the new anti-swaybar. Refer to the original equipment anti-swaybar as to the proper bushing location.
9. Use the hardware supplied to fasten the center portion of the anti-swaybar to the sub frame. Fasten the ends of the anti-swaybar to the control arms with the remaining hardware. Refer to the diagram as to the proper end link assembly sequence.
10. Fasten the ends of the anti-swaybar to the control arms using the remaining hardware. Refer to the diagram provided as to the assembly sequence.



11. Check that all components and fasteners have been properly installed, tightened and torqued.
12. Check brake hoses, steering and other components for any possible interference.
13. Lift vehicle and remove support stands. Carefully lower vehicle to ground.
14. 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.
15. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

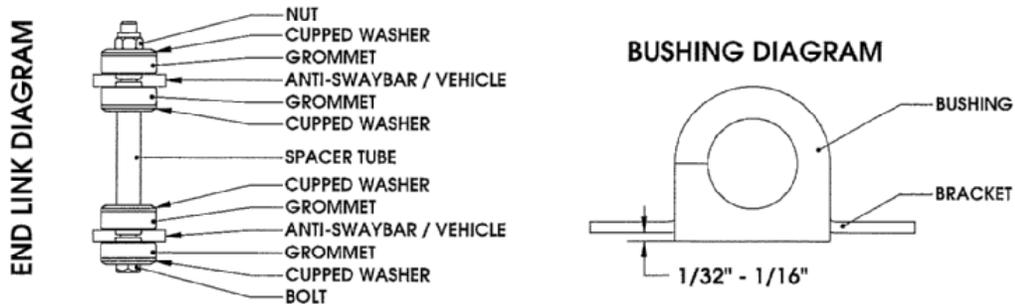
PARTS LIST FOR ANTI-SWAY BAR KIT

PART No.	DESCRIPTION	QTY.
51005-300	Front ASB	1
113030	Pivot Bushings	2
113000	End Link Grommet	4
110255	3/8-16 Ny Lock Nut	2
112316	3/8-24 Jam Nut	2
112102	3/8-16 x 2.0 HHCS	2
112502	Cupped Washer	4
110625	Flat Washer	4
112160	3/8-24 x 4.0 HHCS	2
112242	Female Spherical Bearing	2
112408	Spacer Tube 1.50"	2
112412	Spacer Tube .190"	4
51005-005	Pivot Bushing Bracket	2
112010	8mm-1.25 x 45mm HHCS	2
55000-10	Grease Pack	1

! Installation Tips ST

- Lubrication**

Pre-lubricating the inside of the bushing before its installed is important because the lubrication will greatly reduce noise and it will increase bushing life. Suspension Techniques recommends you use Molybdenum disulfide. This will help protect the inside surface of the bushing and will last longer than most types of grease. 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 above. If the bushing is showing more than 1/16" than use a sander or a sheet of coarse grit sand paper to shave it down to the proper height. In most applications when installing the new bushings on your Suspension Techniques anti-sway bar you may refer to your original equipment anti-sway bar to locate the proper location.

- End Link Installation**

It is not required that you use lubricant on the end links since there is no rotational movement. The Suspension Techniques end links are comprise of grommets, cupped washers, a spacer tube, bolt, and lock nut, these assembled components create the end link. See end link diagram.