



## INSTALLATION INSTRUCTIONS

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### 51020 REAR ASB '83 - '89 BMW

**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

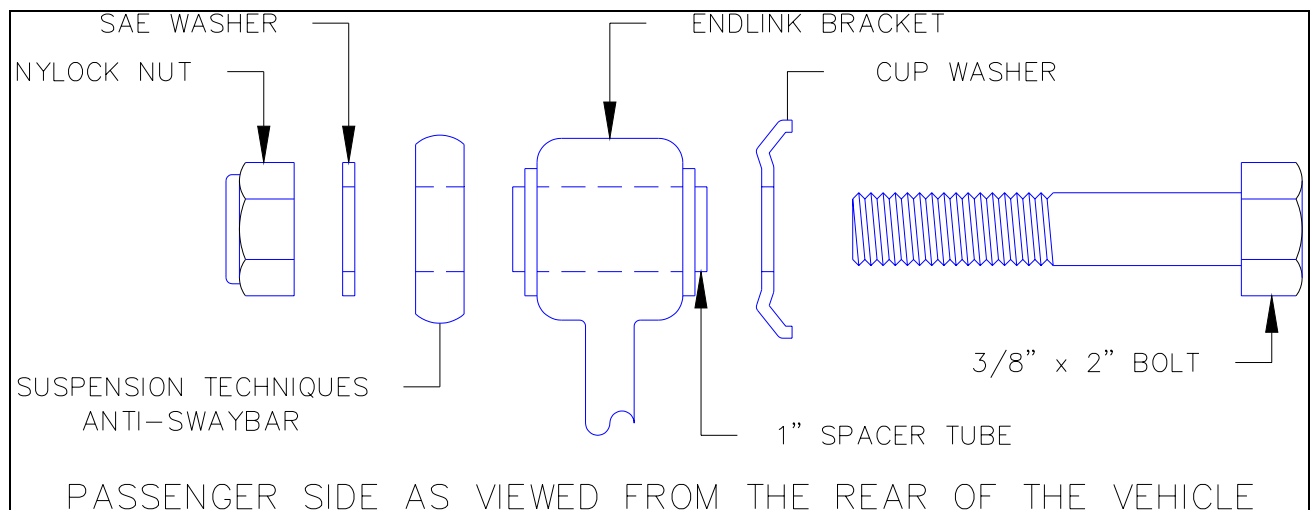
#### KIT INSTALLATION

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 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.
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.

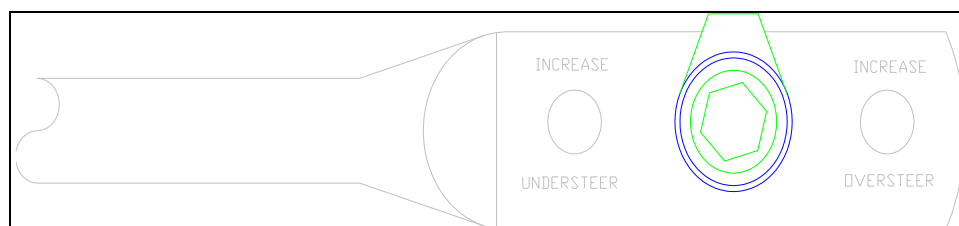
- Disconnect and remove the end links from the control arms. Remove the bushing brackets from the center portion of the original equipment Anti-Sway Bar and remove the Anti-Sway Bar from the vehicle.

Note the position of the Anti-Sway Bar on the vehicle to ease in the installation of your new Suspension Techniques Anti-Sway Bar.

- Remove the aluminum end links from the original equipment Anti-Sway Bar and press the 1-inch spacer tube, supplied in the hardware kit, into the rubber portion of the end links. Loosely install the end links on the control arms using your original equipment nuts and bolts.
- Thoroughly lubricate the **inside** of your new hyperthane bushings using a high-grade lithium or silicone-based grease with molybdenum disulfide (moly). Place the bushings on the new Anti-Sway Bar. Refer to the original equipment Anti-Sway Bar as to the proper bushing location.
- Position the new Suspension Techniques Anti-Sway Bar in the original equipment location on the vehicle. Use the original equipment brackets and bolts to fasten the center portion of the Anti-Sway Bar to the chassis. Tighten the bolts to approximately 13 ft/lbs of torque. Due to the increased diameter of the Anti-Sway Bar, you will need to bend the sheet metal around the center portion of the chassis to increase clearance.
- Use the remaining hardware supplied in the kit to fasten the end links to the end holes in the Anti-Sway Bar. Tighten the bolts to approximately 45 ft/lbs of torque. Refer to the diagram for proper assembly sequence.



- Refer to the diagram as to proper over/under steer adjustment.



12. Check that all components and fasteners have been properly installed, tightened and torqued.
13. Check brake hoses, steering and other components for any possible interference.
14. Lift vehicle and remove support stands. Carefully lower vehicle to ground.
15. 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.
16. 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.
51020-300	Rear ASB	1
51020-020	Pivot Bushing 5/8"	2
110255	3/8" - 16 NYLOCK NUT	2
112102	3/8" - 16 x 2" HHCS	2
112502	CUPPED WASHER Large	2
110625	3/8" SAE FLAT WASHER	2
112400	3/8" x 1" SPACER TUBE	2
55000-10	GREASE PACK	1

#### INSTALLATION

Make sure a maximum of 1/32" to 1/16" of the bushing showing when you install the 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-swaybar to locate the proper place the new bushing belongs on your new Anti-swaybar.

