



## INSTALLATION INSTRUCTIONS

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### 51075 REAR ANTI-SWAY BAR 70-73 240Z

**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 2) 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.

6. Remove the two stock suspension support brackets. There are two bolts at the top of the frame and two more at the lower A-frame mounting the bracket. You may need a "U" joint and extension to ease the remove of the top bolts.
7. Install the right and left support brackets using the bolts and nuts you just removed. Note that the new brackets include an extension with two 3/8" holes for mounting the Anti-Sway Bar "U" brackets. **Do not** tighten any nuts or bolts until the entire assembly is complete.
8. Thoroughly lubricate the **inside** of your new hyper-thane bushing using high-grade lithium or silicone-based grease with molybdenum disulfide (Moly). Place the lubricated bushing on your new Suspension Techniques Anti-Sway Bar. Refer to the diagram as to the proper bushing location.
9. Slide the bushing brackets over the bushings. Note that the ends of the Anti-Sway Bar must point down to clear the half shaft. Make sure that the Anti-Sway Bar arms are above the emergency brake cable and are between the half shafts and the lower a-frames.
10. Use the 3/8" bolts with the flat washer to mount the Anti-Sway Bar on the support bracket. The Bar should center on the car.
11. The end link assemblies will mount to the bar ends and the a-frame. Refer to the diagram for proper end link assembly. Tighten the end links after both sides are complete. Tighten them until the grommets begin to bulge, but **do not** crush them.
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.

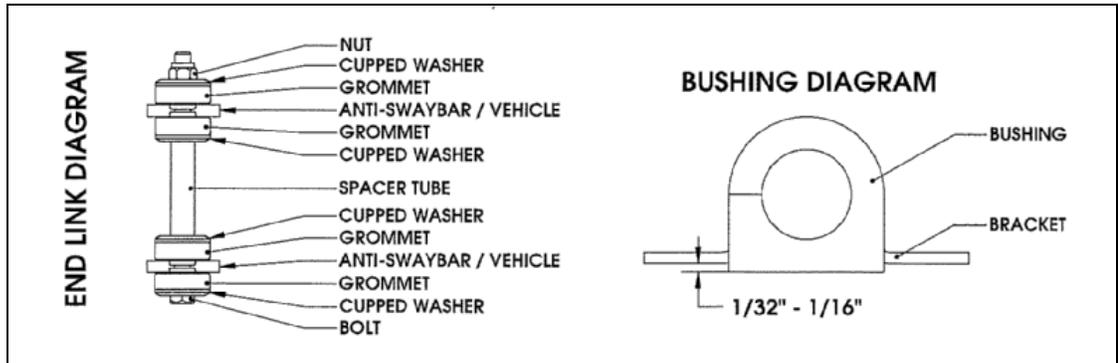
### PARTS LIST FOR ANTI-SWAY BAR KIT

| PART No.  | DESCRIPTION              | QTY. |
|-----------|--------------------------|------|
| 51075-300 | Rear ASB                 | 1    |
| 113030    | Pivot Bushing 3/4"       | 2    |
| 113000    | End Link Grommet         | 8    |
| 110255    | 3/8"-16 Ny Lock Nut      | 6    |
| 51075-001 | Mount Plate – Left side  | 1    |
| 51075-002 | Mount Plate – Right side | 1    |
| 112130    | 3/8"-16 x 5-1/2" HHCS    | 2    |
| 112502    | Cupped Washer Large      | 8    |
| 110625    | 3/8" Flat Washer         | 8    |
| 112086    | 3/8"-16 x 1.0" HHCS      | 4    |
| 112400    | Spacer Tube              | 2    |
| 114030    | Bushing Bracket          | 2    |
| 55000-10  | Grease Pack              | 1    |

## **! SUSPENSION TECHNIQUES INSTALLATION TIPS**

### **LUBRICATION**

Pre-lubricating the inside of the bushing before it's 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.

The sketch below shows an assembly of how the rear Anti-Sway Bar arm should be facing towards the front of the vehicle.

