



## INSTALLATION INSTRUCTIONS

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### 50120 FRONT ANTI-SWAY BAR NISSAN 300 ZX

**Thank you for being selective enough to choose our high quality SUSPENSION TECHNIQUES PRODUCT. We have spent many hours developing out 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:
- Ratcheting socket wrench and sockets:
- Safety Glasses

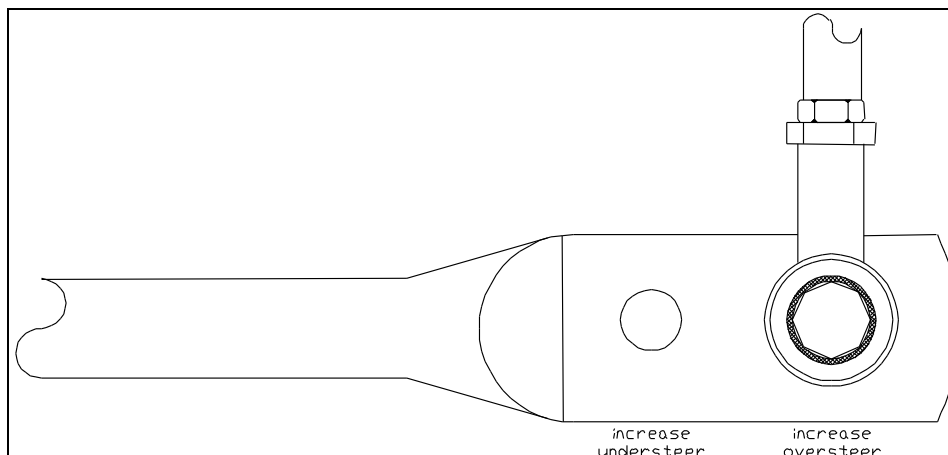
#### KIT INSTALLATION

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 REAR 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 front 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. Remove the splash pan from the bottom of the vehicle. Remove the nuts from the end links at the ends of the original equipment Anti-Sway Bar (ASB). Remove the two nuts from the driver's side strut rod at the lower control arm. Remove the bushing brackets from the center portion of the Anti-Sway Bar (ASB).
7. Note the position of the original equipment Anti-Sway Bar (ASB) in the vehicle to ease in the installation of the new Suspension Techniques Anti-Sway Bar (ASB) and remove the Anti-Sway Bar (ASB) from the vehicle.
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 onto the new Anti-Sway Bar (ASB). Refer to the diagram as to the proper bushing location.
9. Position the new Suspension Techniques Anti-Sway Bar into the factory location. Place the new bracket over the bushing and the Anti-Sway Bar (ASB). Insert the original equipment bolts through each bushing bracket. Place two washers onto each bolt, one next to the bushing bracket and one next to the frame rail. Tighten the bolts to 18 ft/lbs of torque.
10. Fasten the strut rod on the driver's side back onto the control arm and tighten the nuts to 22 ft/lbs of torque.
11. Fasten the original equipment end links onto the new Anti-Sway Bar into the hole farthest from the ends. Apply Loctite to the threads and tighten the nuts to 18 ft/lbs of torque.
12. Install the splash pan back onto the vehicle and tighten the screws to approximately 6 ft/lbs of torque. Install the wheels and lower the vehicle.
13. Go over the entire installation procedure and make sure all the fasteners are properly tight. Installation is complete. Refer to the diagram to adjust for over/under steer.



14. Check that all components and fasteners have been properly installed, tightened and torqued.
15. Check brake hoses, steering and other components for any possible interference.
16. Lift vehicle and remove support stands. Carefully lower vehicle to ground.

17. 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.
18. 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.
50120-300	FRONT ANTI-SWAYBAR	1
113175	PIVOT BUSHING 1-1/8"	2
114020	BUSHING BRACKET	2
112518	3/8" USS FLAT WASHER	8
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.

