



## INSTALLATION INSTRUCTIONS

51175

**REAR ANTI-SWAYBAR**  
**1990-1998 MAZDA MX-5**

**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.

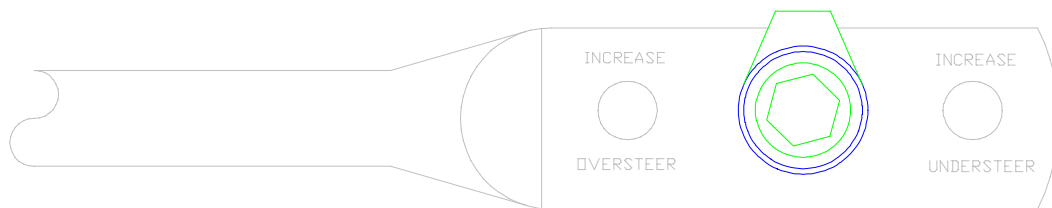
### RECOMMENDED TOOLS:

- 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.
6. Remove the end links from the ends of the original equipment anti-swaybar. Remove the bushing brackets as well. Note the position of the anti-swaybar in the vehicle to ease in the installation of your new Suspension Techniques anti-swaybar. Remove the original equipment anti-swaybar from the vehicle.
7. 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-swaybar. Refer to the original equipment anti-swaybar as to the proper bushing location.
8. Position your new Suspension Techniques anti-swaybar on the vehicle in the original equipment location and secure it with the new bushing brackets and original equipment bolts. Tighten the bolt to approximately 18 ft/lbs of torque. Bend the muffler hanger away from the anti-swaybar for needed clearance.
9. Fasten the factory end links to the ends of the new anti-swaybar with the bolts, washers, and nuts supplied in the kit. Tighten the nuts to 23 ft/lbs of torque.
10. Go over the entire installation procedure and make sure all the appropriate hardware is properly tight. Install the wheels and lower the vehicle. Installation is complete. For over steer / under steer adjustment refer to the diagram below.



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.
51175-300	Rear ASB	1
113030	PIVOT BUSHING	2
114030	PIVOT BUSHING BRACKET	2
112282	8mm - 1.25 NYLOCK NUT	2
112106	3/8" - 16 x 2-1/4" HHCS	2
110255	3/8" - 16 NYLOCK NUT	2
112518	3/8" USS FLAT WASHER	4
110204	5/16" SAE FLAT WASHER	4
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.

