



## INSTALLATION INSTRUCTIONS

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### 51210 REAR ANTI-SWAY BAR 85-89 TOYOTA MR-2

**Thank you for being selective enough to choose our high quality ST 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.

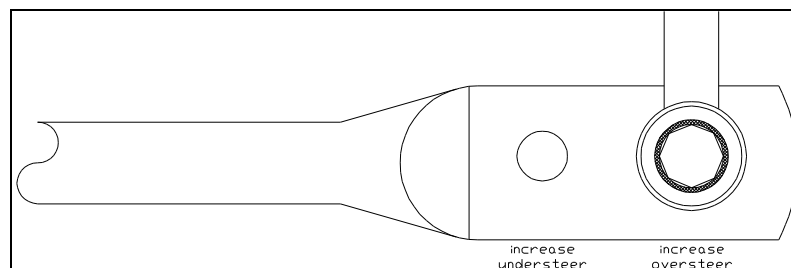
#### **RECOMMENDED TOOLS:**

- 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 four bolts (two on each side) on the uni-body frame rail, approximately 3" behind the lower control arm mounts. This is where your new Suspension Techniques Anti-Sway Bar fastens to the vehicle. Proceed onto step 4.
7. Remove the original equipment Anti-Sway Bar from the vehicle.
8. 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 onto the new Anti-Sway Bar. Refer to the diagram as to the proper bushing location.
9. Position the Anti-Sway Bar onto the vehicle to the rear of the struts and the arms pointing forward. Fasten the bushings to the chassis using the bushing bracket and hardware provided in the kit. Modification of the metal shrouding around the exhaust is necessary on some vehicles. Tighten the bushing bracket bolts to 14 ft/lbs of torque.
10. Scribe a mark on the lower spring perch 5/8" from the strut tube. Center punch and drill a 3/8" hole into the right and left lower spring perches. Fasten the bracket to the spring perch as shown in the diagram.
11. Assemble the end links as shown in the diagram. Tighten the nuts to 18 ft/lbs of torque. Tighten the jam nut against the spherical bearing to prevent premature failure of the end links.
12. Install the wheels and lower the vehicle. Look at the arms of the Anti-Sway Bar and make sure the arms are parallel with the ground ( $\pm 15^\circ$ ). If this is not the case, shorten all thread studs with a hacksaw to adjust accordingly.
13. Go over the entire installation procedure and make sure all appropriate fasteners are properly tight. Installation is complete. Refer to the diagram as to proper oversteer adjustment.



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 REAR ANTI-SWAYBAR KIT  
51210**

1	51210-300	REAR ANTI-SWAYBAR
2	113015	PIVOT BUSHING 1/2"
2	114030	PIVOT BUSHING BRACKET
2	114041	U-BRACKET 3/4"
6	110255	3/8" - 16 NYLOCK NUT
4	112316	3/8" - 24 JAM NUT
4	112002	8mm - 1.25 x 20mm HHCS
4	112018	10mm - 1.25 x 20mm HHCS
2	112178	5-1/4" ALL THREAD STUD
2	112086	3/8" - 16 x 1" HHCS
2	112102	3/8" - 16 x 2" HHCS
2	112106	3/8" - 16 x 2-1/4" HHCS
16	110625	3/8" - 16 SAE FLAT WASHER
4	110204	5/16" SAE FLAT WASHER
4	112242	3/8" - 24 FEMALE SPHERICAL BEARING
8	112412	3/16" BEARING SPACER
1	55000-10	GREASE PACK

**INSTALLATION**

Make sure a maximum of 1/32" to 1/16" of the bushing showing when you install 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.

