



## INSTALLATION INSTRUCTIONS

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### 51227 REAR ANTI-SWAY BAR 05-UP TOYOTA SCION TC

**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.

- Loosen the end links from the ends of the factory Anti-Sway Bar. (Photo 1) As shown in the picture, only loosen the top hardware where the end link attaches to the Anti-Sway Bar.

**DO NOT** loosen the hardware where the end link attaches to the chassis.

- Un-bolt and remove the original Anti-Sway Bar bushings (Photo 2 & 3). There are four (4) bolts, two (2) per bushing. The easiest way to remove the original Anti-Sway Bar, once all hardware is un-bolted, slide the original Anti-Sway Bar either left or right. Slowly pulling it downward slightly, and feeding it through, over the top of the exhaust system (Photo 4)
- Thoroughly lubricate the **inside** of your new hyperthane bushings using a high-grade lithium or silicone-based grease with molybdenum disulfide (moly)(Photo 5). Place the bushings onto the new Anti-Sway Bar(Photo 6). Refer to the original equipment Anti-Sway Bar as to the proper bushing location.
- Position your new Suspension Techniques Anti-Sway Bar on the vehicle in the original equipment location and secure it with the factory bushing brackets and original equipment bolts (Photo 6 & 7). Tighten the bolt to approximately 12 ft/lbs of torque.
- Fasten the end links to the center holes in the ends of the Anti-Sway Bar (Photo 8).

There are two mounting holes on each end of the new Suspension Techniques Anti-Sway Bar. These will determine the type of handling that can be achieved. The closer you mount the end link on the Anti-Sway Bar (towards the fat-part of the Sway Bar, the stiffer the handling will be. Mounting it further away, gives you less. Prior to test driving the vehicle, tighten all related hardware. It's our recommendation to always start the furthest away to start with. Test-drive the vehicle to become accustomed to the revised handling. If this is not suitable, re-adjust to your liking. Once you have decided the type of handling you want, re-tighten hardware

Tighten the original equipment nuts to 18ft/lbs of torque.

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

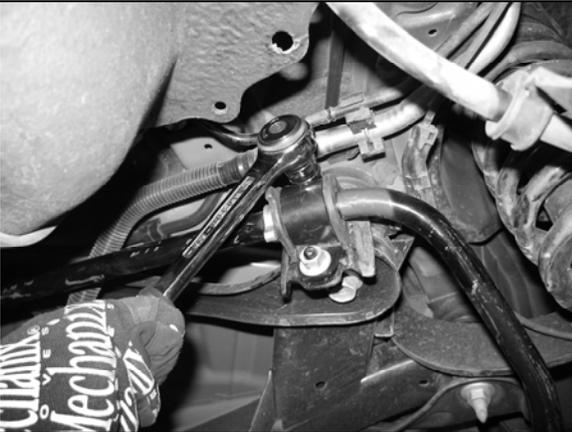
| PART No.  | DESCRIPTION     | QTY. |
|-----------|-----------------|------|
| 51227-300 | Rear ASB        | 1    |
| 113200    | Pivot Bushings  | 2    |
| 114020    | Bushing Bracket | 2    |
| 55000-10  | Grease Pack     | 1    |



**PHOTO 1**



**PHOTO 4**



**PHOTO 2**



**PHOTO 5**



**PHOTO 3**



**PHOTO 6**



**PHOTO 6**



**PHOTO 7**



**PHOTO 8**