



## INSTALLATION INSTRUCTIONS

300 W. Pontiac Way Clovis, CA 93612 toll free: 1-800-445-3767 web: [www.stsuspensions.com](http://www.stsuspensions.com)

50228

### Front Anti-Sway Bar Scion FR-S / Subaru BRZ / Toyota GT86

**Thank You!** You were selective enough to choose a ST Suspensions 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
- Socket wrench set
- Safety Glasses

#### REMOVAL & 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 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.
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 metal undertray from under the engine. Remove the fiber undertray just rearward of the metal undertray.
7. Unbolt and disconnect the anti-sway bar end links from the bar. Unbolt the chassis connectors that are holding the anti-sway bar bushings. Remove the plastic clip on the side of the chassis connector. Remove the OE anti-sway bar and chassis connectors from the vehicle
8. Unbolt the anti-sway bar bushing brackets and remove the OE anti-sway bar from the chassis connectors.
9. Install the new polyurethane bushings onto the ST anti-sway bar with the supplied grease next to the sharp bend in the bar. Bolt the ST anti-sway bar onto the chassis connectors in the same direction that the OE anti-sway bar was removed.
10. Reinstall the ST anti-sway bar and chassis connector assembly onto the vehicle. Connect the OE endlinks to the ST anti-sway bar in the selected hole. The hole at the end of the bar is an increased stiffness over OE and the second hole is even stiffer than the first hole.
11. Install the split collars on the ST anti-sway bar, on the inside of the bushings, touching the bushing. Make sure there is a small amount of grease in between the bushing and collar.
12. Reinstall the clips on the chassis connectors and both undertrays.
13. Go over the entire installation procedure and make sure all appropriate hardware is properly tight & torqued. Install the wheels and lower the vehicle to the ground
14. Check brake hoses, steering and other components for any possible interference.
15. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

**PARTS LIST - 50228**

<b>PART No.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
50228-300	FRONT ANTI-SWAY BAR	1
113310	PIVOT BUSHING	2
113902	SPLIT COLLARS	2
55000-10	GREASE PACK	1