



INSTALLATION GUIDE

PART NUMBER: 50129
FRONT ANTI-SWAY BAR
NISSAN Z | 2023+

300 W. PONTIAC WAY. CLOVIS, CA 93612
PHONE: 800-445-3767 | EMAIL: INFO@STSUSPENSIONS.COM

THANK YOU

Thank you for choosing our high-quality ST Suspensions product. We have spent a great deal of time developing our line of products so that you will receive maximum performance with minimal difficulty during installation. Soon your vehicle will be on the road looking and feeling much improved.

Please take a moment to read all instructions and warnings prior to the installation of your new ST Suspensions product and before operating your vehicle. For any questions or concerns regarding the steps in the installation process, please do not hesitate to call or email our customer support team who are trained to help you through any portion of this process.

Before You Begin:

It is of the utmost importance that you confirm all the components listed on the parts list are in the kit. You can find this list located on the last page(s) of your instructions. Do not begin installation if any part is missing. Instead, please call our customer service specialists.

Customer Support:

Phone: 1-800-445-3767

Email: info@stsuspensions.com

Safety Information:

Warning: Do not work under a vehicle supported only by a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

Proper use of safety equipment and eye/face/hand protection is absolutely necessary when performing any of the following instructions.

We strive for an exceptional experience for all our valued customers. If for any reason you need assistance with your ST Suspensions products, please do not return the product to the store you purchased from, but rather call our dedicated customer service experts, from 7am to 5pm PST.

We recommend that a qualified mechanic, at a properly equipped facility, perform this installation.

It is very helpful to have an assistant available during installation.

Before Driving Your Vehicle:

It is important to double check all brake hoses, cables, and other components to be sure there is no interference. You must also check for wheel/tire to chassis/body interference. If any issues are found, review your installation instructions to be sure no steps were missed, and any problems are corrected.

Make sure your vehicle is aligned immediately following installation.

Check all hardware and re-torque at intervals for the first 10, 100, and 1000 miles.

Any changes in your vehicle's suspension may result in transformed handling. Please test-drive your vehicle in a remote location so you can become accustomed to the revised driving characteristics.

Perform headlight check and adjustment.

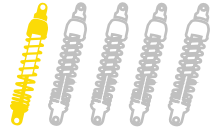
Failure to drive any modified vehicle in a safe manner may result in harm or death.

Never operate your modified vehicle under the influence of drugs, alcohol, or lack of adequate sleep.

Always wear your seatbelt.



DIFFICULTY:



INSTALLATION TIME: 1 - 2 Hours

RECOMMENDED TOOLS:

- Properly rated floor jack
- Wheel chocks
- Support stands
- Metric wrench set
- Metric ratchet socket set
- Flat and Phillips head screwdrivers
- Safety Glasses
- Torque wrench rated up to 100 ft lbs.

JACKING, SUPPORTING, AND PREPARING THE VEHICLE

1. Park your vehicle on a smooth, level, concrete or seasoned asphalt surface.
2. Block the rear wheels of the vehicle using wheel chocks. Make sure the vehicle's transmission is in "PARK" (automatic) or 1st gear (manual).
3. Activate the parking brake.
4. Break loose, but do not spin the wheel lug nuts to ease in removal when the wheels are in the air.
5. Lift the front of the vehicle off the ground using a properly rated floor jack. Lift the vehicle so the front tires are approximately 6-8 inches off the ground.
6. Place support stands rated for the vehicle's weight. The stands should be positioned in the factory specified locations. (Refer to the owner's manual). Prior to lowering the vehicle onto stands, make sure the support stands will contact the chassis. It is very important that the vehicle is properly supported to prevent any harm to one's self or to the vehicle.
7. Lower the vehicle slowly onto the stands.
8. Remove the front wheels.

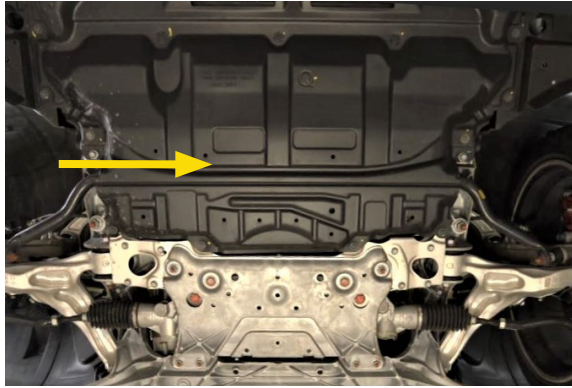


Technician reminder:

Never work under a vehicle supported only by a jack. It is necessary to place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

FRONT ANTI-SWAY BAR REMOVAL

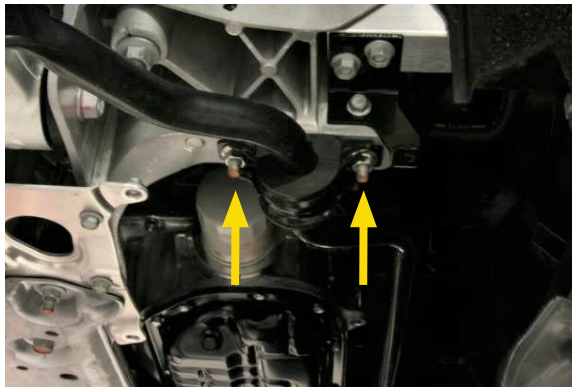
9. To gain access to the OEM sway bar, detach the engine splash guard by removing the combination of plastic clips and bolts.



10. Remove the lower end link nuts with a 17mm wrench. Secure the end link from spinning by using an open end 19mm wrench at the base of the end link ball joint. Ensure there is no damage done to the rubber boot.

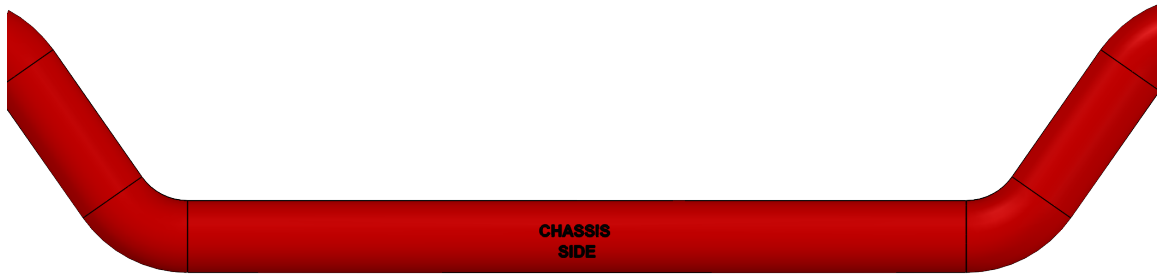


11. Remove the pivot bushing brackets with a 14mm socket and remove the sway bar assembly from the vehicle.

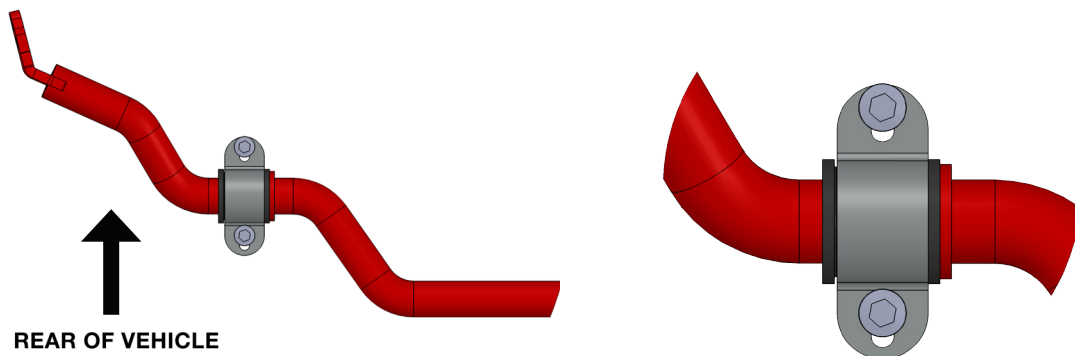


ST ANTI-SWAY BAR INSTALLATION

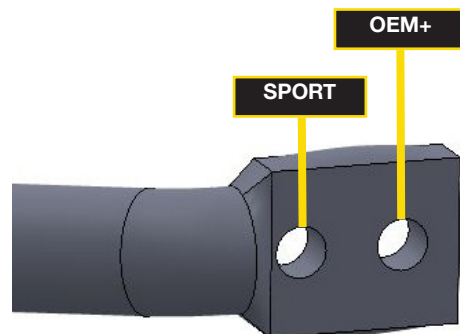
12. Locate the installation label that shows the orientation of the sway bar. The label shows "CHASSIS SIDE" on the bar. Ensure the sway bar is not installed upside down as this may cause damage to the bar and/or the vehicle.



13. Using the supplied grease pack, thoroughly lubricate the inside of the new pivot bushings supplied with the sway bar.
14. Attach the bushings on both sides of the ST sway bar, close to the original location against the lateral rings on the sway bar. Once located, rotate the bushings slightly to evenly spread the lubricant.
15. Mount the sway bar with the supplied pivot bushing brackets. Push/pull the sway bar as far back, towards the rear of the vehicle as possible to ensure proper angles and sway bar placement.



16. Use the original bracket nuts to secure the sway bar. Torque the brackets to 38 ft lbs.
17. Please choose a sway bar setting for your vehicle: OEM+ or SPORT (OEM+ is softer and SPORT is firm)



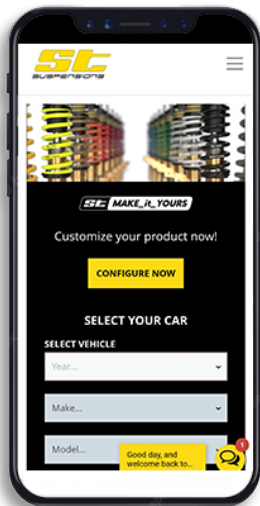
18. Swing the sway bar arms to the end links and attach the sway bar with the original lower end link nuts. Torque to 62 ft lbs.
19. Attach the engine splash guard with the original bolts and plastic clips.
20. Check brake hoses, steering and other components for any possible interference.

FINALIZING THE INSTALLATION

21. Mount the wheels and tighten the lug nuts.
22. Lift the vehicle and remove the support stands.
23. Carefully lower the vehicle onto the flat ground.
24. Torque the lug nuts to 80 ft lbs.
25. Check that all components and fasteners have been properly installed and torqued.
26. Read and perform all tasks in the “Before Driving Your Vehicle” section of page 1 of your instructions.

THANK YOU FOR CHOOSING ST SUSPENSIONS.

You are now a part of the ST family, and we are eager to catch a glimpse of your newly modified vehicle. Give us a shout out and let us know how much you love our product. Don't forget, we offer other ST related merchandise for you and your vehicle on our website www.stsuspensions.com



STsuspensionsUSA



KW automotive



@st_suspensions

If you have any questions, concerns, or warranty related issues regarding your ST Suspensions product, please call or email our experienced customer service specialists.

Customer Support:

Phone: 1-800-445-3767

Email: info@stsuspensions.com

KIT CONTENTS



Anti-Sway Bar Kit		
Part number	Description	Qty
50129-300	FRONT ANTI-SWAY BAR	1
50129-777	HARDWARE KIT	1

Hardware Kit (50219-777)		
Part number	Description	Qty
55000-10	GREASE PACK	1
N114026-95	PIVOT BUSHING BRACKET	2
113110	PIVOT BUSHING 1-3/8"	2



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