

HOTCHKIS

SPORT SUSPENSION

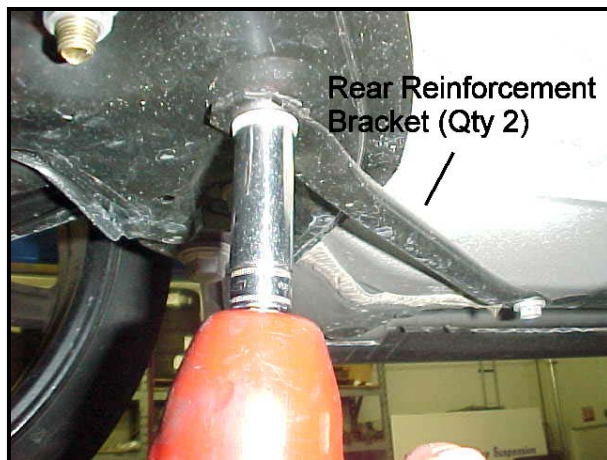
22414 FRONT AND REAR SPORT STABILIZER BAR SET

Scion xA/xB

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INSTALLATION OF HOTCHKIS FRONT STABILIZER BAR

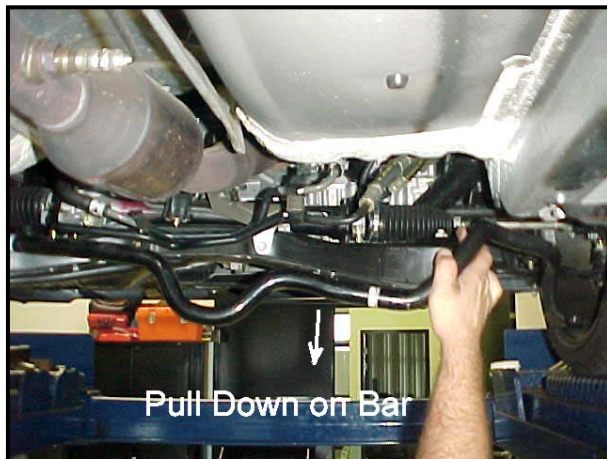
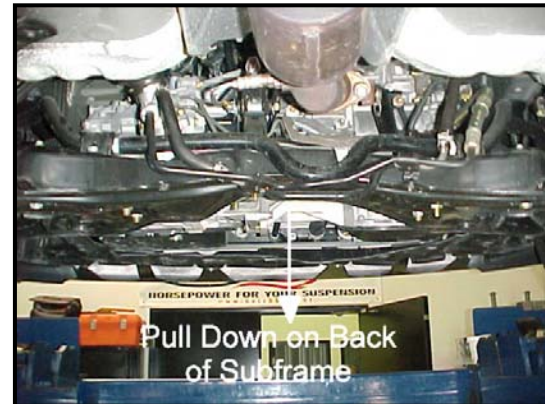
- 1) Please look at the original front antiroll bar and note the orientation of the front bar. You will want to install the new Hotchkis bar in the same manner. You will find the bar mounted directly to the engine cradle, just behind the steering rack on the top of the cradle. Look carefully how the hoses are routed around the bar, as you will need to have them in the same spot when you are finished with the installation of the Hotchkis bar.
- 2) Use a jack to raise the vehicle and support with jack stands. It is much easier if the whole vehicle is in the air.
- 3) Remove the rear reinforcement bracket that hold the subframe to the frame rails of the car. Use a 14mm socket to remove the bolts holding the brace. There are two of them on the car.



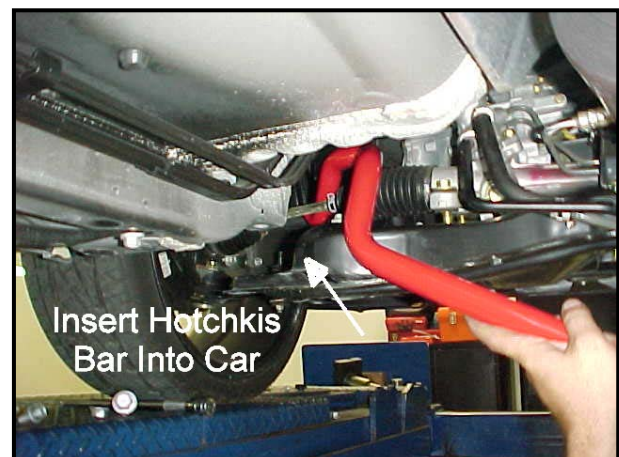
- 4) Take out the bolts that hold the motor mount to the engine cradle. These are 14mm bolts.
- 5) Start removing the bolts that hold the cradle to the body using 17mm sockets.
- 6) Remove the bolts that hold the steering rack to the cradle. These are 17mm. Please note that there is a nut on the top side of the steering rack you have to get a wrench on.
- 7) Once these bolts are all out, the subframe should only be held on by the lower control arms.



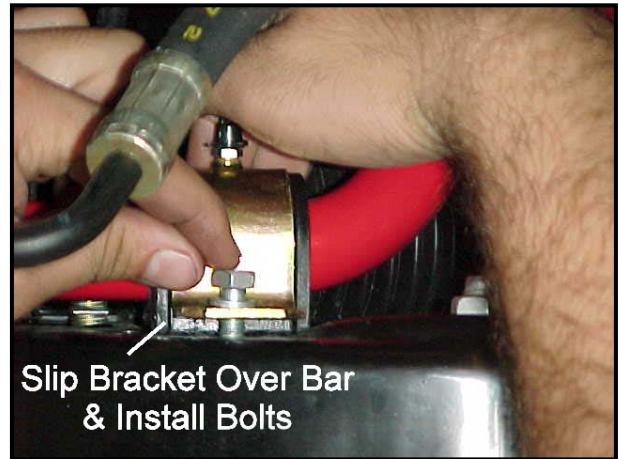
- 8) Carefully pull down on the back part of the subframe, giving you access to the rear anti-sway bar.
- 9) Take the factory endlink and remove the nuts that hold it all together using 14mm wrenches
- 10) Use a 12mm socket to remove the two bolts holding each stabilizer bar bracket
- 11) Carefully pull the passenger side arm of the sway bar over the steering arms, then pulls the bar out by carefully twisting the bar over the steering hoses.



- 12) Please note the location of the factory bushings on the stock setup. You are going to install the new polyurethane bushings in the same location.
- 13) Install the new Hotchkis bar in the reverse manner that you used on the stock bar.
- 14) Carefully spread an even layer of grease on the inside of the Hotchkis bushings and install onto the bar. Pay attention to the direction the split is oriented. You want the split to face the rear of the car when the bar is installed in the.



- 15) Slip the new greasable bracket over top of the new poly bushing and tighten it down to the subframe using the original bolts. Torque these to 25 ft-lbs.



- 16) Reinstall the subframe bolts and torque them to 100 ft-lbs.
- 17) Install the steering rack bolts. These need to be torqued to 60 ft-lbs
- 18) Put the motor mount bolts back in and torque to 45 ft-lbs.
- 19) Last, install the rear reinforcement brackets and torque to 45 ft-lbs
- 20) After driving the vehicle, re-check all hardware for tightness. You are finished with the front sway bar installation

IMPORTANT: For maintenance, you need to grease the bushings at least once a year (15,000 miles) or when excessive noise occurs. Use a non-lithium based grease only! A lithium-based grease can wash out with water and should not be used.

MOVE ON TO THE REAR SWAY BAR INSTALLATION

INSTALLATION OF HOTCHKIS REAR STABILIZER BAR

- 1) Securely block the front wheels of the vehicle. Jack up the vehicle and support it with jack stands.
- 2) Locate the two holes on the bottom of the rear axle, right by the lower shock mount.



- 3) Insert the 3/8" bolts (with flat washer) into the axle tube. The bolt closest to the end is easy. The other bolt will need some patience. One method that works fairly well is to fish some string through the hole and out the end of the axle tube. Tie the string to the end of the bolt. Don't forget the washer. Once tied, pull the string to bring the bolt forward. Grab a telescoping magnet rod and use it to tilt the bolt head up. Doing both of these maneuvers should easily allow the bolt to fall through the hole.

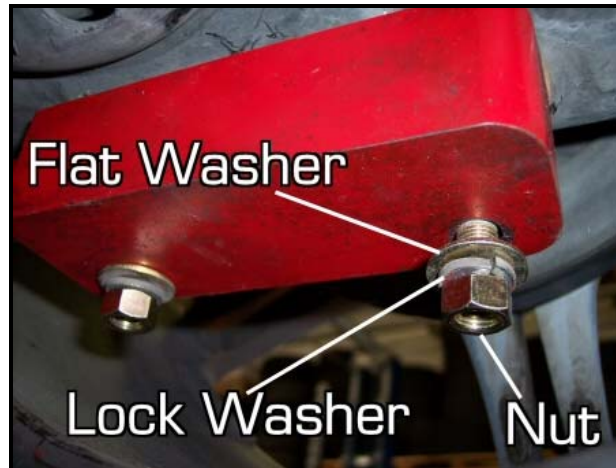




4) Raise the sway bar up to the mounting position.



- 5) Install the remaining flat washer, the split lock washer, and then the nut onto each of the 4 bolts.



- 6) Make sure to fully tighten the 4 bolts. You should be able to get a wrench inside the axle tube to grab hold of the bolt head for tightening.



- 7) You are done.





Hotchkis Performance LLC

Return Policy & Limited Warranty

Effective January 1, 2009 all Hotchkis products must be registered to qualify for warranty at www.hotchkis.net or via the mail-in warranty card, included with the product, within 30 days of the original purchase date.

Return Policy

We want you to be completely satisfied with your Hotchkis Performance product. For products, presenting signs of shipping damage please contact the freight carrier immediately. All our products are guaranteed to be free from manufacturer's defects. If your order arrives with a manufacture defect, please contact our Customer Service Department at (562) 907-7757. You will be assigned a Returned Goods Authorization Number (RGA). The package you return must show the RGA on the outside of the package, include the original invoice and be shipped prepaid to our facility. The product has to be unused and in its original packaging materials. Exchanges or refunds made after 30 days will be subject to a 20% restocking charge. **If you purchased your Hotchkis Performance product from an authorized dealer, you are still covered by this return policy. All returns however, should be made to your dealer, not to Hotchkis Performance directly.**

Limited Warranty

Hotchkis Performance offers a Limited Warranty against defects in materials and workmanship of its products. This Warranty only applies to the original retail purchaser who retains ownership of the vehicle on which the product was originally installed. If the product is determined to be defective, Hotchkis Performance will repair, replace or refund the purchase price of the defective product at Hotchkis Performance's sole discretion, which shall fully satisfy and discharge any and all warranty claims. Any repaired or replaced product will be returned to the sender excluding the cost of freight. **Products must be registered to qualify for warranty at www.hotchkis.net or via the mail-in warranty card, included with the product, within 30 days of the original purchase date.**

Exclusions from Warranty

Items offered but not manufactured by Hotchkis Performance are warranted according to the manufacturer's terms and are not covered by this limited warranty. Hotchkis Performance shall not be responsible for any labor, removal, installation, re-installation or maintenance costs. This warranty does not cover the cosmetic finish or plating of any product or any normal wear and tear to any product including, but not limited to bushings, brackets, end-links, hardware, steering components, shocks or springs. In addition, this warranty does not apply to any products that have been:

- **Improperly installed or installed by someone other than a qualified, licensed auto mechanic experienced in the installation and removal of suspension products;**
- **Improperly serviced, misused, or modified, altered or subjected to abuse, negligence, accident or collision;**
- **Installed in any vehicle that has been modified;**
- **Installed on any vehicle that has carried loads in excess of automobile manufacturer suggested weight limits; or**
- **Installed on any vehicle that has been subject to abnormal or excessive use, including rallying, racing, or racing-type activities or off-road use.**

Limitation of Warranty

This limited warranty is the entire and only warranty for the products and may not be modified or supplemented by any other person or company in any form. Any description of the products, by anyone, is for the sole purpose of identifying them and is not part of the basis of the bargain, and does not constitute a warranty that the products will conform to that description. The statements of any salesperson do not constitute part of this limited warranty and cannot be relied upon as a warranty.

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ANY IMPLIED WARRANTIES ARE DISCLAIMED TO THE FULLEST EXTENT PERMITTED BY LAW. THIS WARRANTY DOES NOT COVER CONSEQUENTIAL DAMAGES, LOSS OF TIME OR REVENUES, INCONVENIENCE, LOSS OF USE OF THE VEHICLE, DAMAGE TO THE VEHICLE OR COMPONENTS OF THE VEHICLE, ANY OTHER TYPE OF CONSEQUENTIAL DAMAGES, OR OTHER INCIDENTAL OR INDIRECT DAMAGES. HOTCHKIS' MAXIMUM LIABILITY UNDER THIS WARRANTY SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PRODUCT. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages and in such states the above limitations or exclusions may not apply. This limited warranty gives the purchaser specific legal rights and the purchaser may have other rights that may vary from state to state.

Technical Information

Hotchkis Performance makes every effort to ensure that you are provided with the most accurate and up-to-date technical information. However, all technical information is approximate and may vary upon application. Additional suspension components may be needed in some applications, depending upon the make, model, engine and chassis of the vehicle. Hotchkis Performance is not responsible for any consequences resulting from manufacturer's technical mid-year changes. Hotchkis Performance products should only be installed by a qualified, licensed auto mechanic experienced in the installation of such products.

Warranty Claim Procedure:

The answer to ALL the following questions should be YES before making a warranty claim:

- **Did you register the product at www.hotchkis.net or via the mail-in warranty card within 30 days of purchase?**
- **Is the product appropriate to your application?**
- **Did you carefully and thoroughly read the instructions provided along with the product?**
- **Do you have the original invoice or sales receipt?**
- **Are you the original purchaser?**
- **Was the product properly installed by a qualified, licensed auto mechanic?**
- **Has the product been installed on the original vehicle on which it was installed at all times?**
- **Is the product unmodified and clean?**
- **Is the reason for return a legitimate product defect?**

If the answer to all these questions is YES, please contact our Customer Service Department at (562) 907-7757. You will be given a Returned Goods Authorization Number (RGA) valid for 60 days. You will also be asked to ship the product prepaid to our facility. All shipments MUST be (i) prepaid, (ii) include the original invoice or sales receipt, (iii) show the RGA on the outside of the package and (iv) include your name, address, make and model of the vehicle, and a brief description of the claimed defect, including the circumstances under which the defect occurred. If the warranty claim is deemed valid then Hotchkis will estimate shipping costs to return the repaired or replacement part and contact you for payment. Hotchkis's Limited warranty requires that any repaired or replaced product will be returned to the sender excluding the cost of freight. Warranty related inquiries should be sent to the following address:

**HOTCHKIS PERFORMANCE, LLC
C/O CUSTOMER SERVICE
12035 BURKE ST. SUITE 13
SANTA FE SPRINGS, CA 90670**

Hotchkis Performance will not accept product returns without the RGA number, receipt and the information described above. C.O.D. or collect shipments will be refused. Once the returns are

received at Hotchkis Performance, we will evaluate the products, verify the sales receipt, and investigate the warranty claim. Any repaired or replaced product will be returned to the sender.

Effective January 1, 2009. This return policy and limited warranty supersedes all previous policy and warranty statements. Policies and warranties are subject to change without notice. Hotchkis Performance is not responsible for printing errors.