

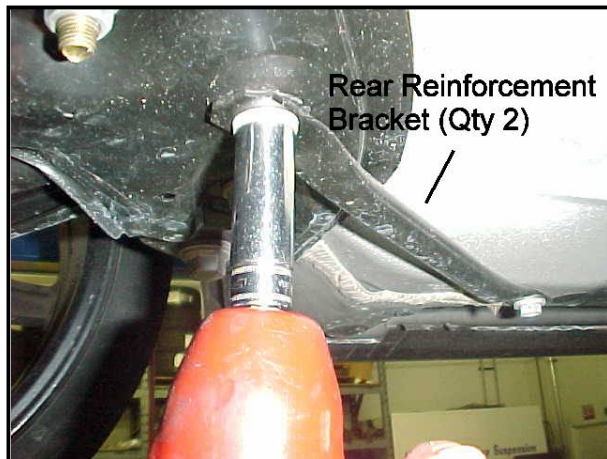


22412 FRONT AND REAR SPORT STABILIZER BAR SET Scion xA/xB

Thank you for your purchase from our Hotchkis Tuning line of suspension parts. Please call us at (877) 4NO-ROLL if you have any questions regarding your Hotchkis Tuning products.

INSTALLATION OF HOTCHKIS TUNING FRONT STABILIZER BAR

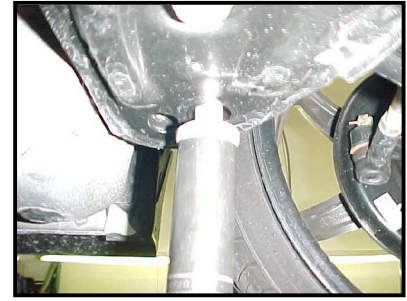
- 1) Please look at the original front antiroll bar and note the orientation of the front bar. You will want to install the new Hotchkis bar in the same manner. You will find the bar mounted directly to the engine cradle, just behind the steering rack on the top of the cradle. Look carefully how the 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.



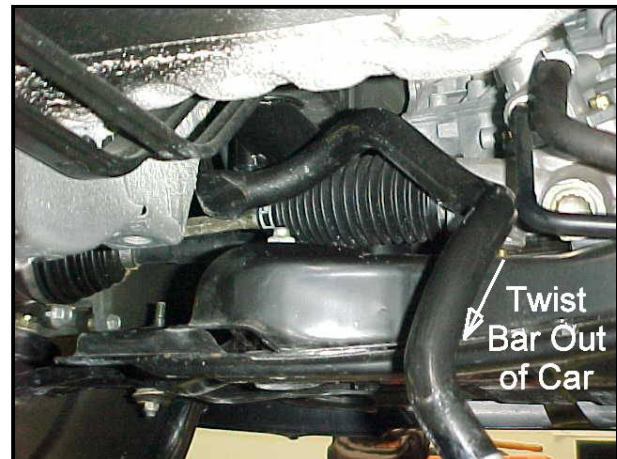
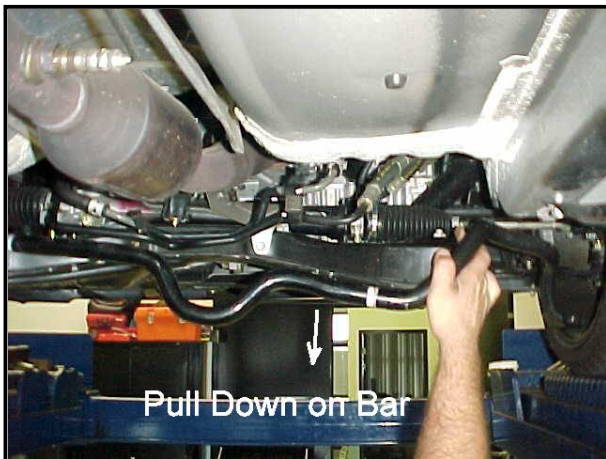
- 4) Take out the bolts that hold the motor mount to the engine cradle. These are 14mm bolts.
- 5) Start removing the bolts that hold the cradle to the body using 17mm sockets.
- 6) Remove the bolts that hold the steering rack to the cradle. These are 17mm. Please note that there is a nut on the top 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.

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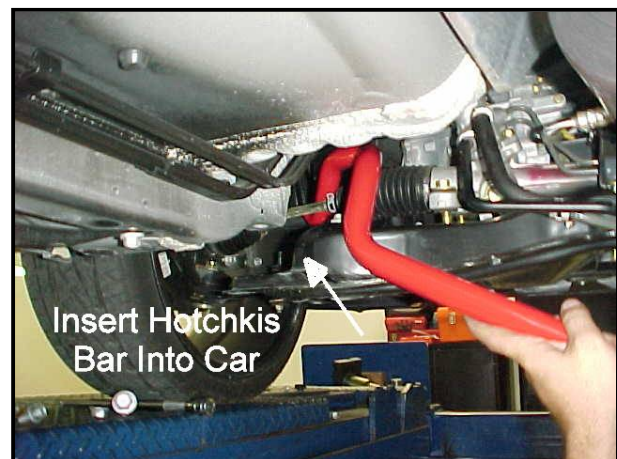
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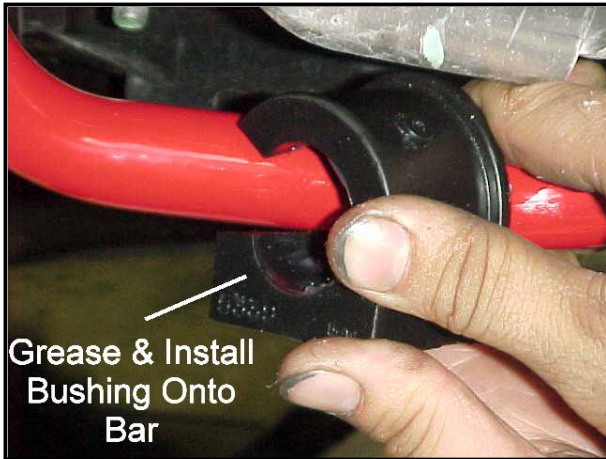
- 8) Carefully pull down on the back part of the subframe, giving you access to the rear anti-sway bar.
- 9) Take the factory endlink and remove the nuts that hold it all together using 14mm wrenches
- 10) Use a 12mm socket to remove the two bolts holding each stabilizer bar bracket
- 11) Carefully pull 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.

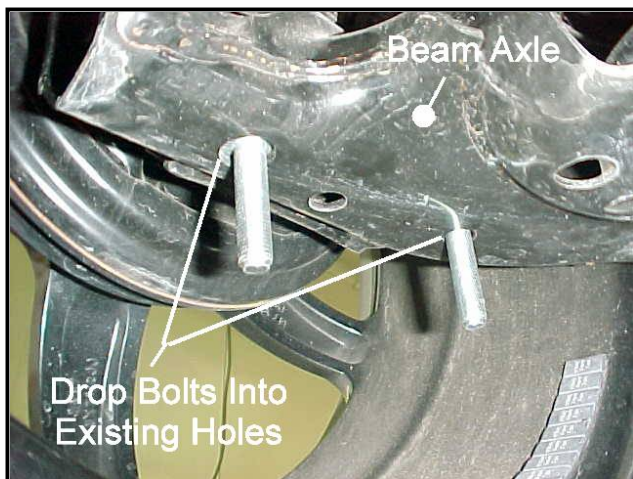
MOVE ON TO THE REAR SWAY BAR INSTALLATION



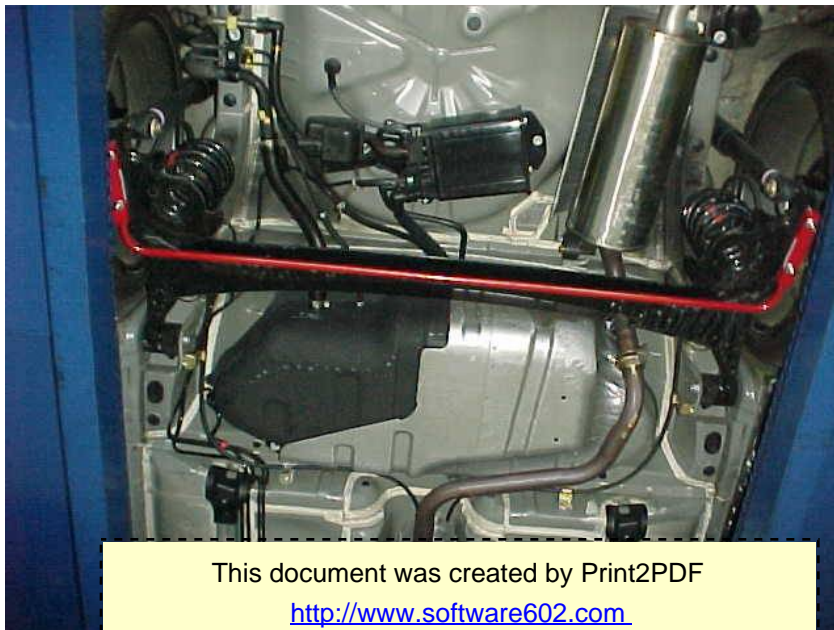
Please call us at (877) 4NO-ROLL if you have any questions regarding your Hotchkis Tuning products.

INSTALLATION OF HOTCHKIS TUNING REAR SWAY 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 bolts from the 1742 hardware kit inside the axle tube till they drop into the holes.
- 4) Carefully, move the Hotchkis bar over the bolts and start the nuts to keep the bar from falling down. Tighten these bolts to 45 ft-lbs using a 14mm wrench and socket.



- 5) After initial driving, please check the tightness of all hardware.





2003 Scion xA/xB Stabilizer Bar Kit, Parts List
P/N 22412

	Hotchkis P/N	Item Description	Quantity per kit
1	22820235	Front Sway Bar, 2003 Scion	1
2	22920235	Rear Sway Bar, 2003 Scion	1
3	15.12.06.39	Universal Sway Bar Bracket	2
4	5343G	1 1/8" bushing	2
5	1742	Hardware Kit (4 bolts, 4 nuts)	1

Items Not Shown

13	9.11108	Grease Pack	2
14	n/a	Instruction Set	1

**Visit Hotchkis Tuning on the web at www.hotchkistuning.com or
Call (562) 907-7757!**



HOTCHKIS PERFORMANCE WARRANTY POLICY

Effective January 1, 2000. Supersedes all previous policy statements. Policies are subject to change without notice. Hotchkis Performance is not responsible for printing errors.

If you purchased your Hotchkis Performance product from an authorized dealer, you are covered by the terms of this policy. All claims however, must be submitted **THROUGH YOUR DEALER** not to **Hotchkis Performance** directly.

Return Policy:

We want you to be completely satisfied with your Hotchkis Performance product. In case you're not, you can exchange or return it within 30 days of the purchase date. To obtain a full refund, excluding freight, 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 part has to be in its original packaging materials and be in a sellable condition. For parts presenting signs of use, only warranty claims will be accepted. Exchanges or refunds can be made after 30 days with a 20% restocking charge.

Warranty Claim:

Hotchkis Performance warrants its products against materials and workmanship failure for the term of 36 months (3 year) from the date of purchase and only up to the amount paid. If the product is determined to be defective, Hotchkis Performance will repair, replace or refund its value at Hotchkis Performance's discretion. Any repaired or replaced product will be returned to the sender freight prepaid.

How to File a Warranty Claim:

The answer to **ALL** the following questions should be **YES** before contacting our Customer Service Department.

- Is the part appropriate to your application?
- Did you carefully and thoroughly read the instructions provided along with the part?
- Do you have the proof of purchase?
- Are you the original purchaser?
- Is the part unmodified and clean?
- Is the return date within 36 months from the purchase date?
- 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 part prepaid to our facility. All shipments MUST be prepaid, include the original invoice and show the RGA on the outside of the package, otherwise it will be refused. Please include a brief explanation letter in order to expedite the warranty analysis process.

What doesn't this Warranty Cover?

The costs not covered by this warranty include but are not limited to:

- Removal, installation, shipment and insurance costs.
- Improper installation or maintenance.
- Misuse or abuse, negligence, off-road and/or racing applications.
- Damage to related components.
- Normal wear and tear.
- Costs incurred due to down time of vehicle.
- Alterations on the original design or unauthorized repairs.

Items offered but not manufactured by Hotchkis Performance are warranted according to the manufacturers terms and are not the responsibility of Hotchkis Performance.

All warranties implied by law are limited in duration of this warranty. You have specific rights that may vary from state to state.

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Thank you for purchasing our products.

Our goal is to supply you with the highest quality, and the most thoroughly tested performance products available. To assist us in continuing to do this, please take a moment to fill out and return this questionnaire.

Name: _____

Address: _____

City: _____ **State:** _____ **Zip** _____

Phone #: _____ **E-Mail:** _____

Year, make and model, car/truck: _____

What parts did you purchase? _____

Where did you purchase them? _____

Were you satisfied with this transaction? _____ **Y N**

(If not, why?) _____

- WERE YOU SATISFIED WITH THE FOLLOWING?

Fabrication and finish: _____

Instructions and ease of installation: _____

Performance improvement: _____

(If not, why?) _____

What other products would you like to see us make?

Have you read about our products on the Internet? _____ **Y N**

(If so, where?) _____

Where have you seen our products?

(i.e. magazines/shows/catalogs) _____

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