

HOTCHKIS SPORT SUSPENSION

Sport Sway Bar Kit (22425)

Scion tC



Thank you for your purchase from our new line of Scion tC parts.

Please call us at (877) 4NO - ROLL if you have any questions regarding the service or installation of your Hotchkis products. Visit us online @ www.hotchkis.net

Tools required for this installation:

- Hydraulic jack, jack stands, torque wrench
- The following sockets or wrenches: 12mm, 14mm, 17mm, 19mm
- The following Allen wrenches: 6mm
- Suggested tools: 6" socket extension, swivel ratchet

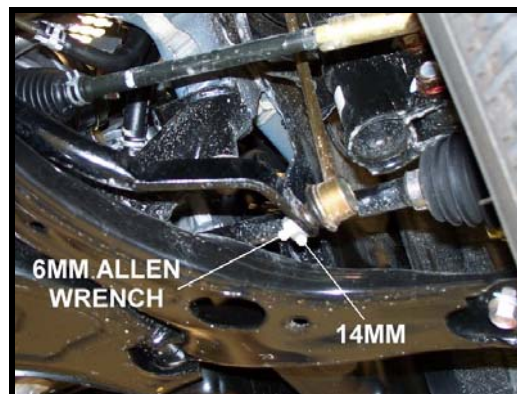


STOP Please Read Before Continuing STOP

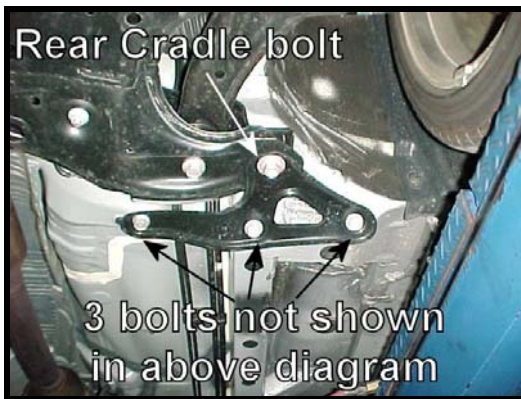
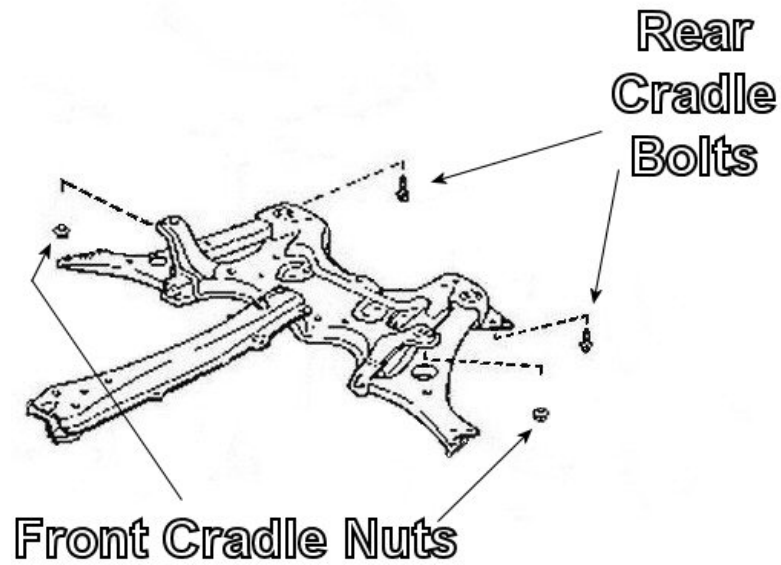
Hotchkis Tuning recommends that this sway bar set be installed by a professional, as the front sway bar can only be removed or installed by detaching the front engine cradle and lowering it from the vehicle! Please carefully review all steps of the installation instructions before attempting installation.

INSTALLATION OF HOTCHKIS FRONT SWAY BAR

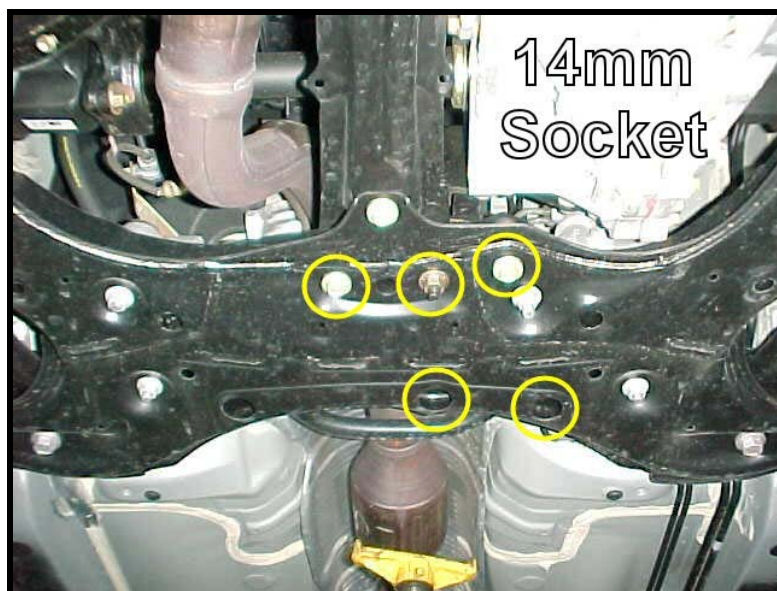
- 1) Securely block the rear wheels of the vehicle. Use a jack to lift up the front of the vehicle and use jack stands to support it. Do not remove the front wheels during installation for safety.
- 2) Use a 14mm wrench and 6mm Allen wrench to remove the nuts holding the end links to the ends of the stock sway bar. Remove the end links from the ends of the sway bar. Retain the hard ware for later use.



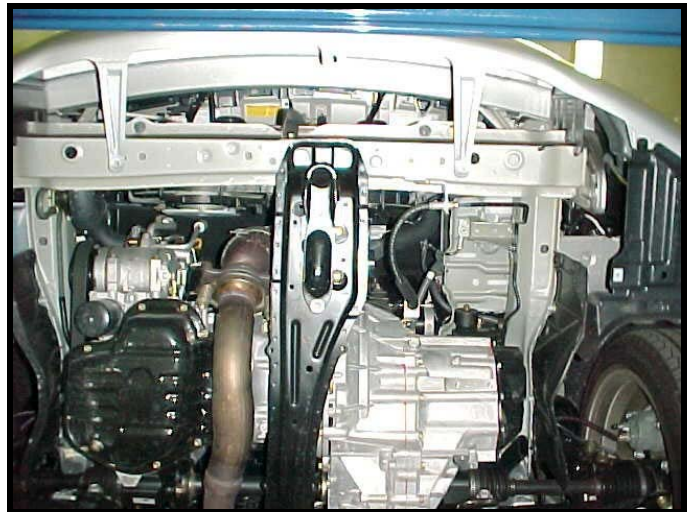
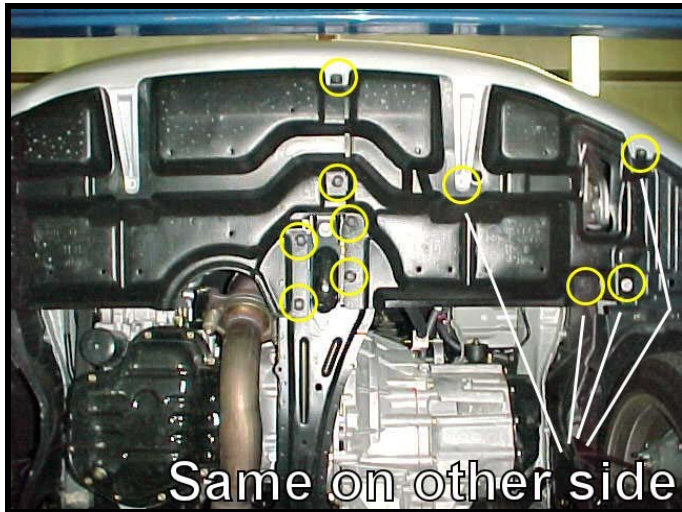
- 3) Use a 19mm Socket to remove the 2 nuts in the front and 8 bolts in the rear of the cradle.



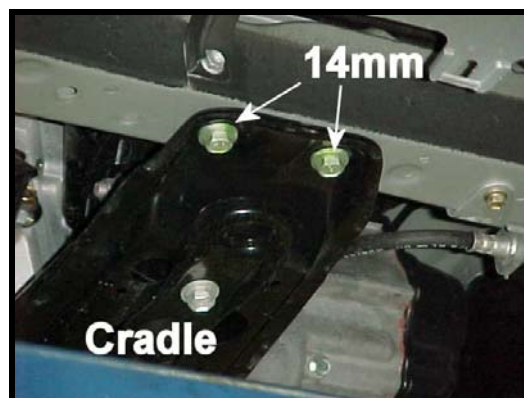
- 4) Use a 14mm Socket to remove the 3 Nuts and 2 Bolts that secure the lower engine mount to the cradle. Retain all hardware for re-installation.



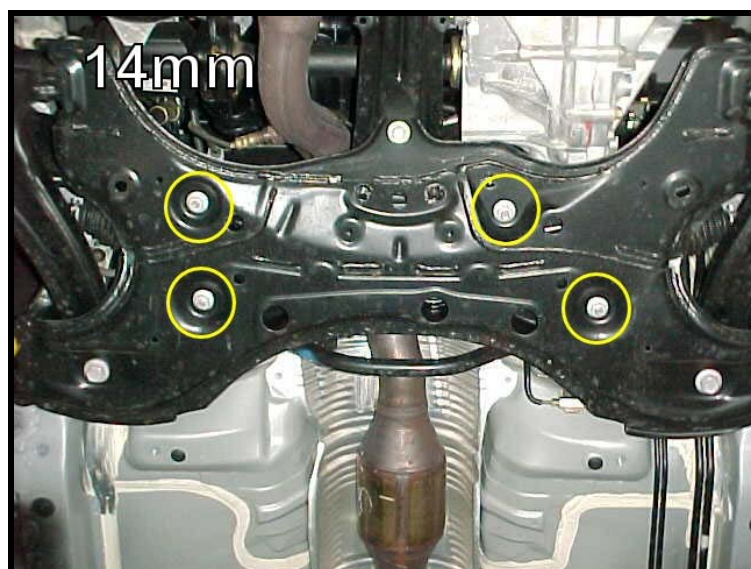
- 5) Remove the front splashguard by removing a series of plastic fasteners and bolts. Use a 10mm socket or screwdriver to remove the bolts. Use a flat head screwdriver to undue the plastic fasteners. Retain all hardware for re-installation.



- 6) Next, remove the 2 bolts that secure the cradle bridge bracket to the radiator support.



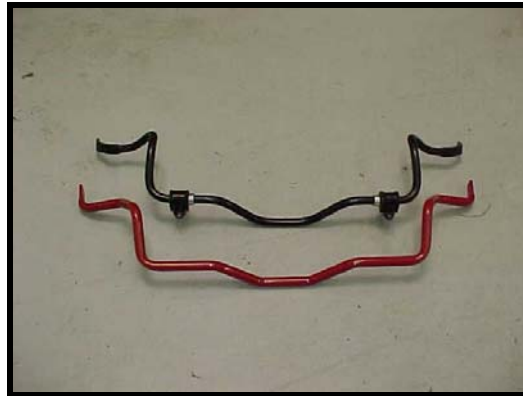
- 7) Remove the 4 nuts that secure the steering rack to the cradle. It's suggested that you use an impact wrench for easier removal.



- 8) With all the nuts & bolts removed the cradle should droop loosely enough to reach the sway bar mounted to the top rear portion of the cradle. Use a 14mm socket or wrench to loosen and remove the four bolts holding the stock sway bar in place. Remove the stock sway bar, bushings and brackets. Retain the stock bolts for re-installation.

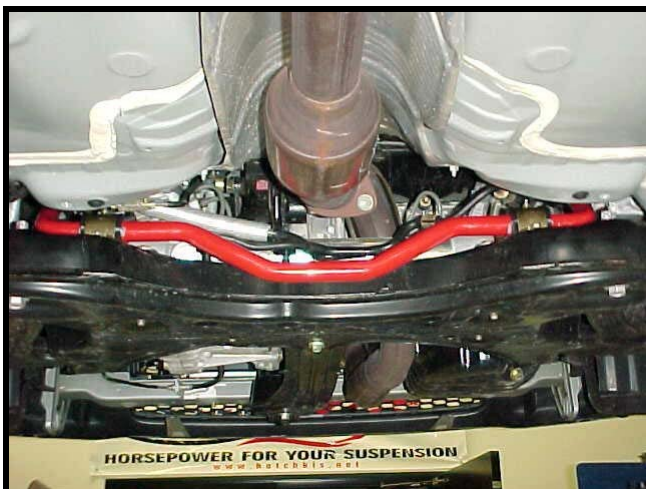


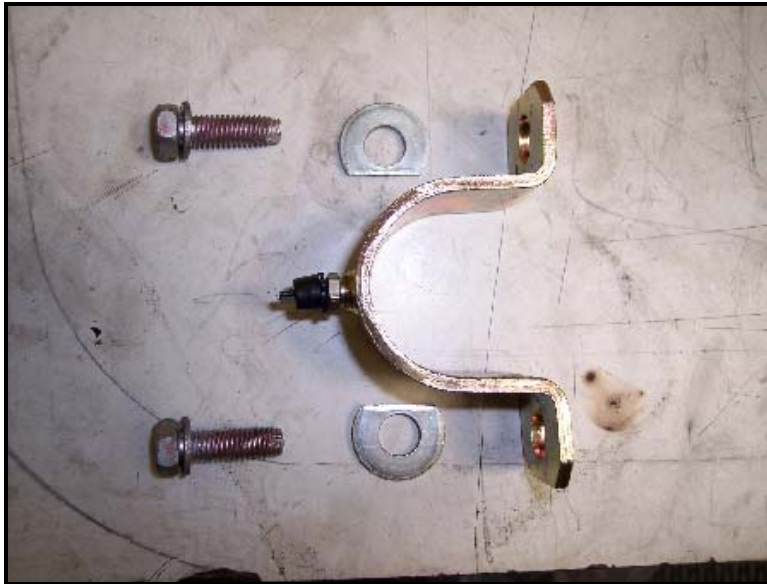
- 9) With the stock sway bar removed, set your new Hotchkis bar next to it for reference and orientation.



- 10) Re-install your new Hotchkis sway bar in the same manner as the stock sway bar removal. Install using the included Hotchkis polyurethane bushings and brackets. It's a good idea to install the bushings and brackets after the bar is in position. Lube the inside of each bushing with the provided grease. Use bushing prt # 5339.

Note: On the passenger side, make sure the sway bar is positioned inboard of the power steering hose shown in the picture below.





Use the provided flat cut washers with the OEM bolts

11) **Steps for reinstalling the cradle:**

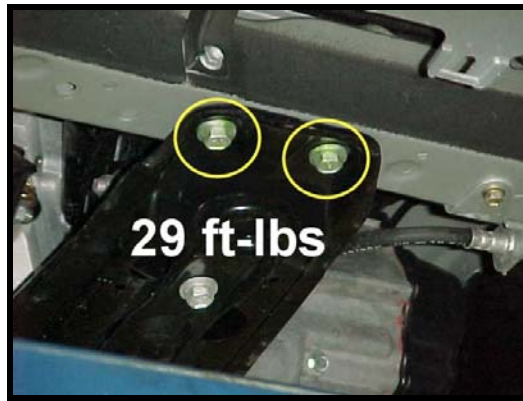
1 – Install the 2 rear cradle bolts. It might be difficult to start the bolt in the hole due to misalignment, so you will need to line up the cradle hole with the frame hole. Once aligned the bolt should thread easily. Do not force thread the bolts! They may cross thread if you do! This step takes patience and may require you to use pry bars, picks, or tranny jacks to align the cradle correctly. Once properly threaded, torque this bolt to **116 ft-lbs**.



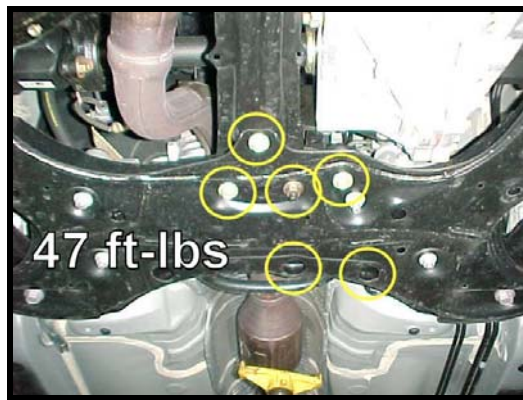
2 – Install the front cradle nuts and torque to **116 ft-lbs**.



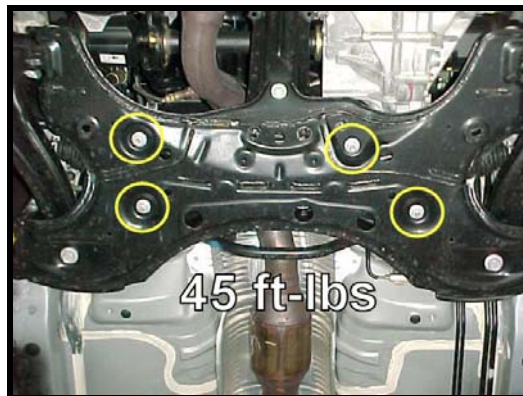
3 – Install the 2 bolts that secure the cradle bridge bracket to the radiator support. Torque to **29 ft-lbs**.



4 – Install the nuts & bolts to secure the lower engine mount to the cradle. Torque to **47 ft-lbs**.

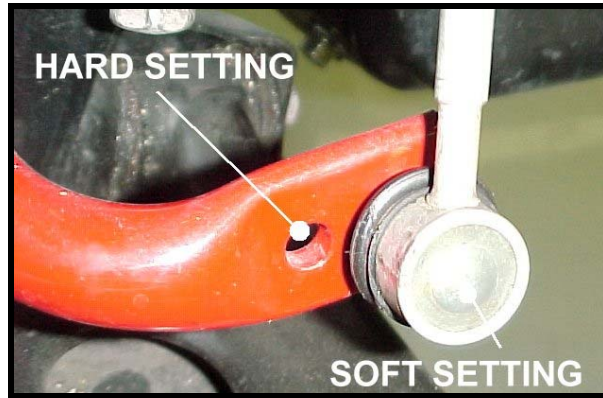


5 – Install the 4 nuts to secure the steering rack to the cradle. Torque to **45 ft-lbs**.



6 – Reinstall the front splashguard in the same manner as removal. This will conclude the cradle reinstallation procedure.

- 12) Once the cradle is reinstalled, attach the end links to the sway bar and torque the nuts to **32 ft-lbs**. For adjustable sway bar stiffness, refer to picture below.



Important Note: Double check to make sure the power steering line is not in contact with the sway bar. If so, you can carefully bend the metal line away from the bar, which clearances the rubber hose from rubbing against the sway bar.

- 13) It's a good idea to also check the power steering boot clip clearance for each side. If the clips are pointing toward the sway bar than it may rub against it. Simply rotate the clip away from the sway bar to avoid any rubbing issues.

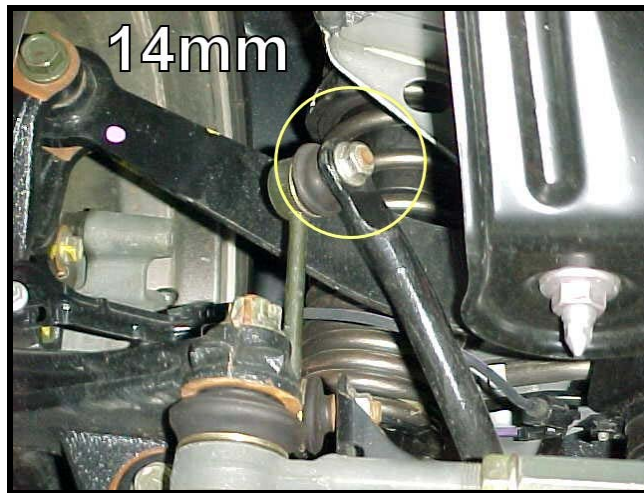


- 14) Re-check all hardware for tightness. Use a jack to remove the jack stands and you're ready to move on to the rear sway bar!

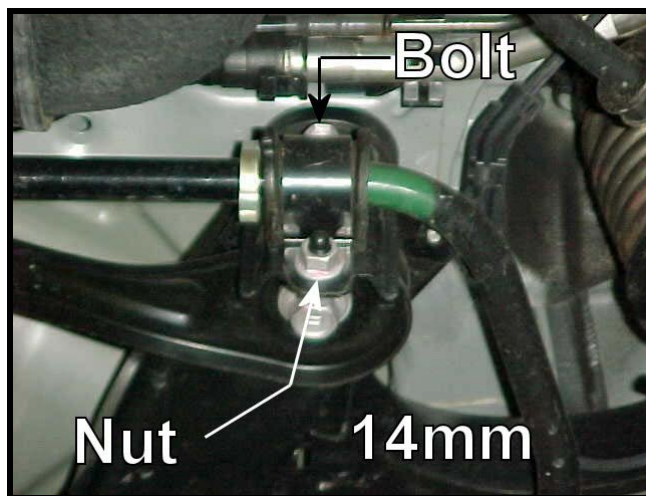


INSTALLATION OF HOTCHKIS REAR SWAY BAR

- 1) Securely block the front wheels of the vehicle. Use a jack to lift up the rear of the vehicle and support with jack stands. As with the front installation, you should not remove the rear wheels.
- 2) Remove the end link nuts that secure the sway bar to the end links using a 14mm wrench (and 6mm allen wrench if necessary). Retain this hardware for reinstallation.



- 3) Remove the nut and bolt for each side subframe mount using a 14mm socket. You may discard this hardware.

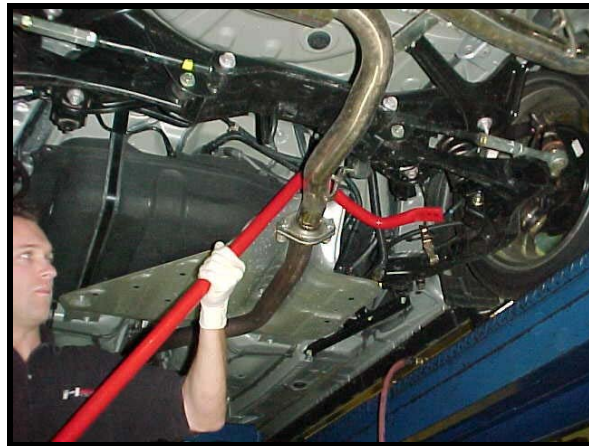


- 4) Remove the subframe bushing and bracket to ease the removal of the bar from the vehicle. You may discard the old bushing and bracket. Gently pull the sway bar towards the front of the car and the driver side end should be free to drop out.

- 5) With the stock sway bar removed, set your new Hotchkis bar next to it for reference and orientation.



- 6) Install your new Hotchkis sway bar in the same manner as the stock removal. Just to reiterate, the passenger side end of the bar will be fed up and over the exhaust pipe first. Then the bar can be positioned correctly.

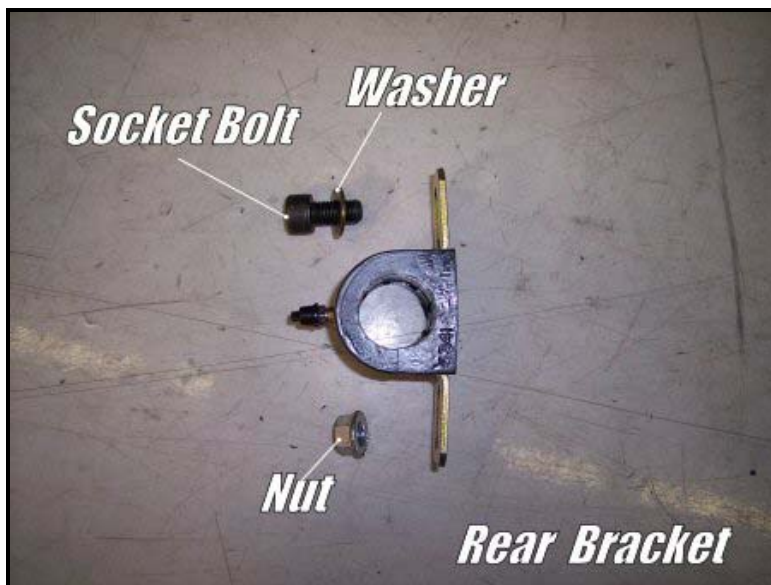


- 7) Lube the inside hole of your new Hotchkis polyurethane bushings and install the bushings on to the bar.



- 8) Place the provided bushing bracket over the bushing and set the sway bar into its proper position. Install the provided nut and bolt & flat cut washer to secure the bracket to the frame of the vehicle.

Note: Use Bushing prt # 5341



- 9) Lastly, secure the end links on to your new Hotchkis sway bar. Adjust your sway bar stiffness by selecting one of the 3 holes on the end of the bar. The hole closest to the end is the softest setting.



- 14) Re-check all hardware for tightness. Use a jack to remove the jack stands and you're finished! Enjoy your new Hotchkis sway bar kit!



Sport Sway Bar Kit
Scion tC

	Hotchkis P/N	Item Description	Quantity
1	22820271	Front Anti Roll Bar, Scion tC	1
2	22920271	Rear Anti Roll Bar, Scion tC	1
3	5339G	Front Polyurethane Bushings	2
4	5341G	Rear Polyurethane Bushings	2
5	15.12.39.39	Front Bushing Brackets	2
6	15.12.06.39	Rear Bushing Brackets	2
7	M10-1.25x20SHCS	M10 - 1.25 x 20 bolt	2
8	M10FLANGENUT	M10 - 1.25 Flange Nut	2
9	3/8FLATWASH	3/8 SAE Flat Side Washer, G8	2
10	9.11108	Grease Pack	2
11	17490002	Flat Cut Washers	4





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.