



Sport Sway Bar Kit (pn 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 Tuning products.

Tools required for this installation:

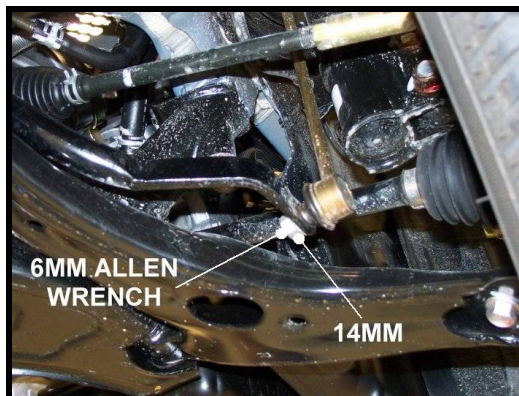
- Hydraulic jack, jack stands, torque wrench
- The following sockets or wrenches: 12mm, 14mm, 17mm, 19mm
- The following Allen wrenches: 6mm
- Suggested tools: 6" socket extension, swivel ratchet



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!

INSTALLATION OF HOTCHKIS FRONT SWAY BAR

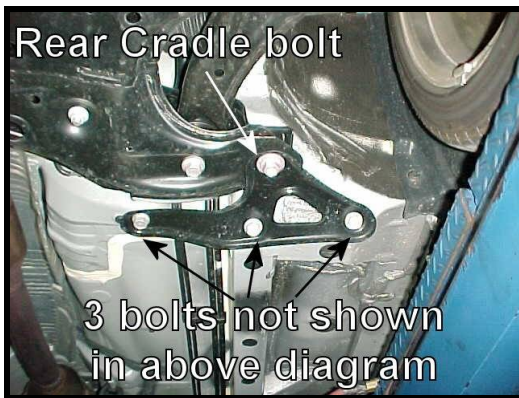
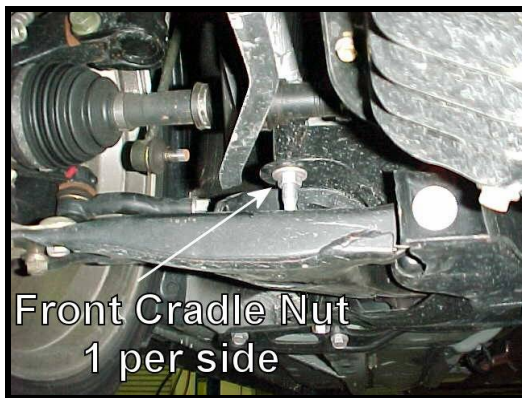
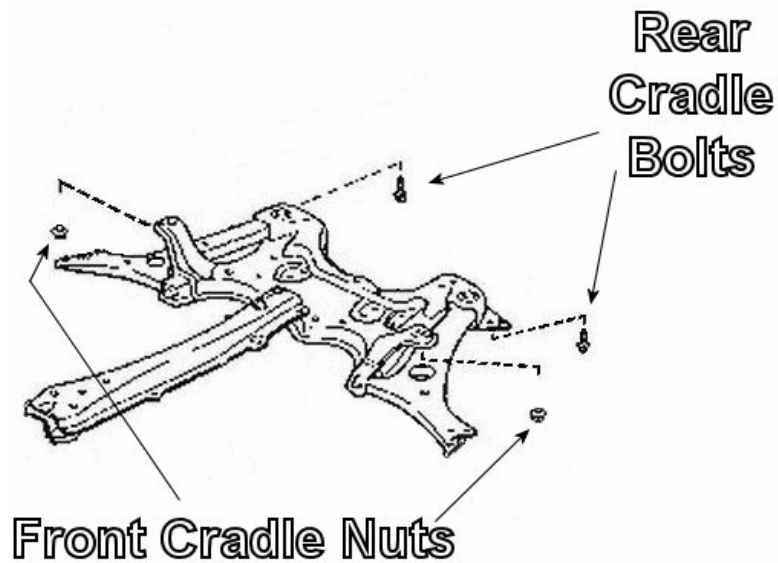
- 1) Securely block the rear wheels of the vehicle. Use a jack to lift up the front of the vehicle and use jack stands to support it. Do not remove the front wheels during installation for safety.
- 2) Use a 14mm wrench and 6mm Allen wrench to remove the nuts holding the end links to the ends of the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



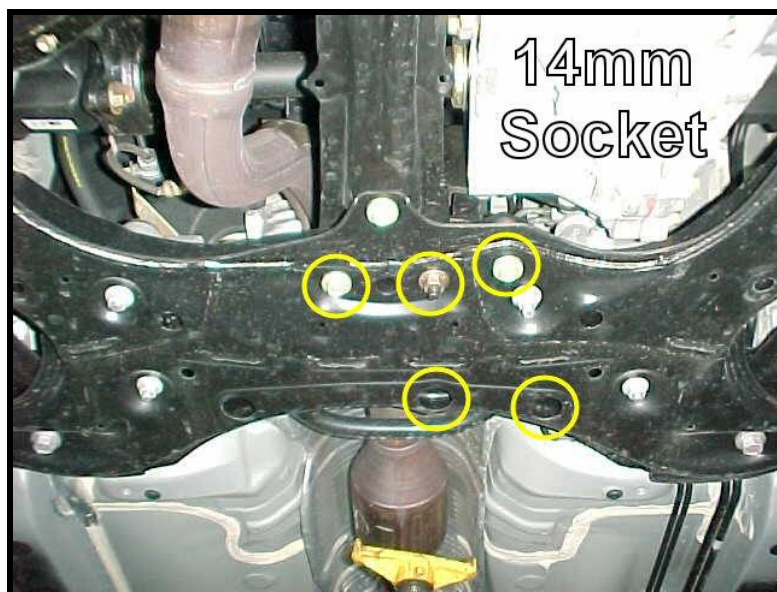
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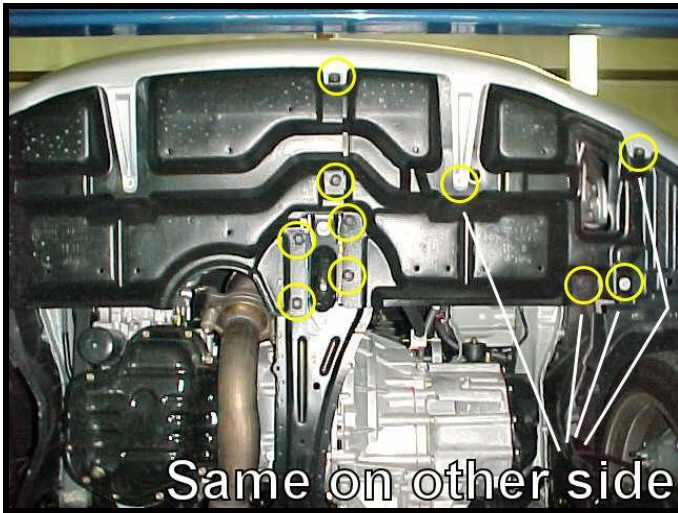
- 3) Use a 19mm Socket to remove the 2 nuts in the front and 8 bolts in the rear of the cradle.



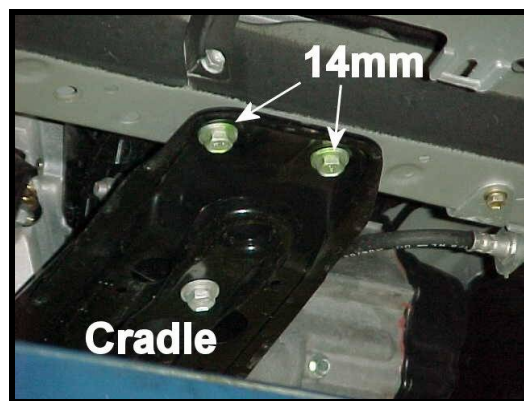
- 4) Use a 14mm Socket to remove the 3 Nuts and 2 Bolts that secure the lower engine mount to the cradle. Retain all hardware for re-installation.



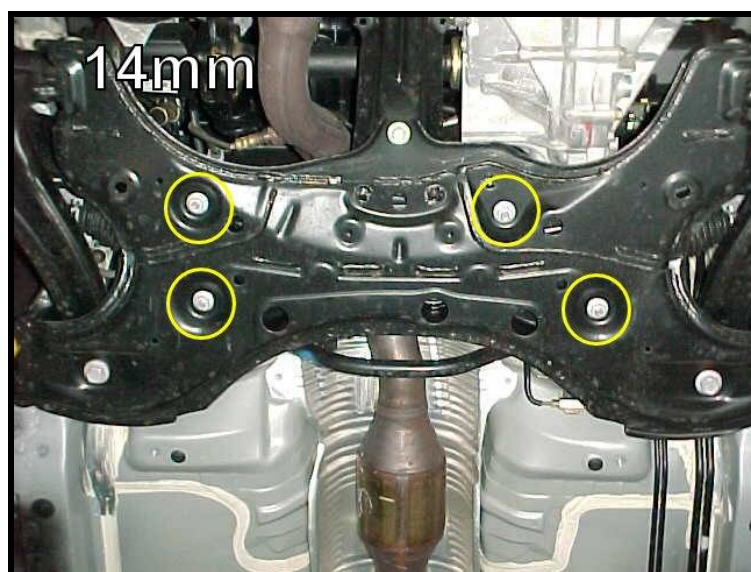
- 5) Remove the front splashguard by removing a series of plastic fasteners and bolts. Use a 10mm socket or screwdriver to remove the bolts. Use a flat head screwdriver to undue the plastic fasteners. Retain all hardware for re-installation.



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



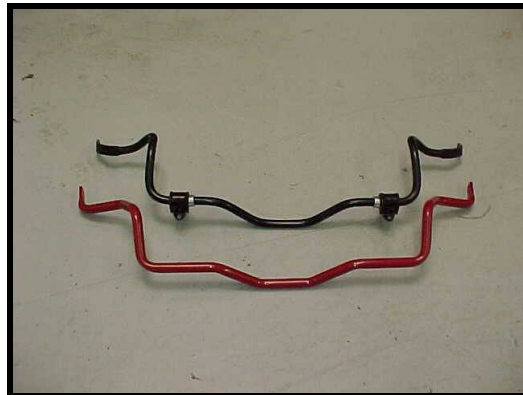
- 7) Remove the 4 nuts that secure the steering rack to the cradle. It's suggested that you use an impact wrench for easier removal.



- 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.

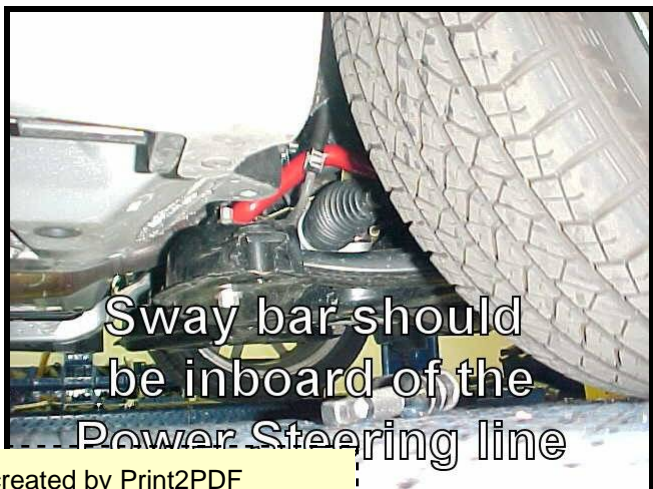
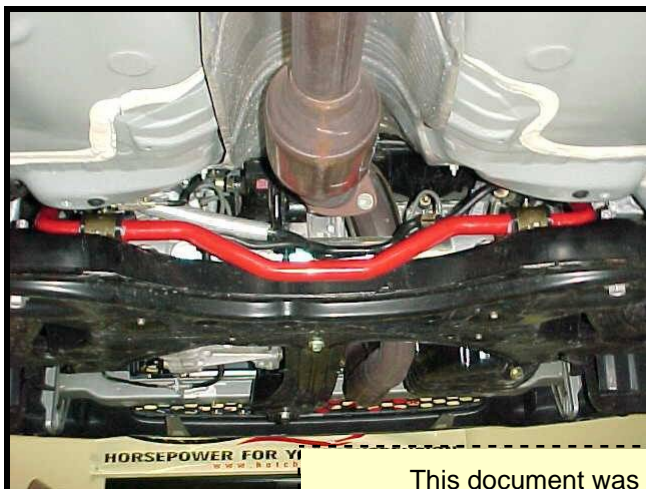


- 9) With the stock sway bar removed, set your new Hotchkis bar next to it for reference and orientation.



- 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.

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

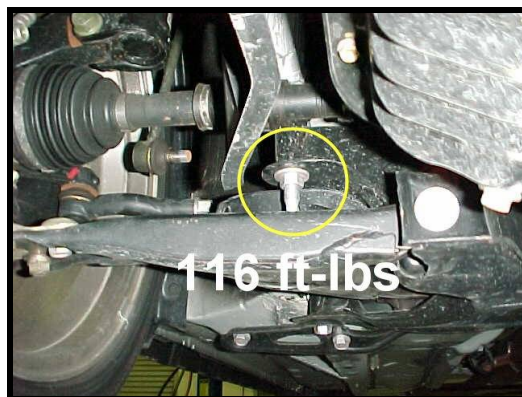


11) **Steps for reinstalling the cradle:**

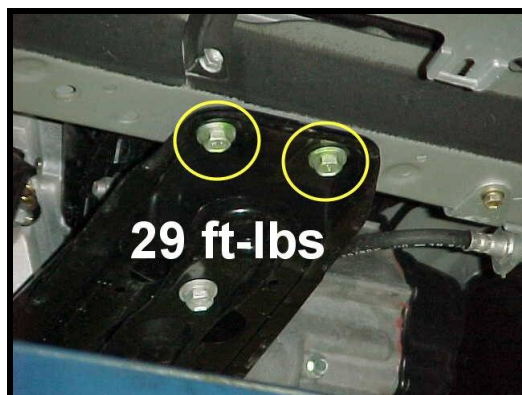
1 – Install the 2 rear cradle bolts. It might be difficult to start the bolt in the hole due to misalignment, so you will need to line up the cradle hole with the frame hole. Once aligned the bolt should thread easily. Do not force thread the bolts! They may cross thread if you do! This step takes patience 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**.



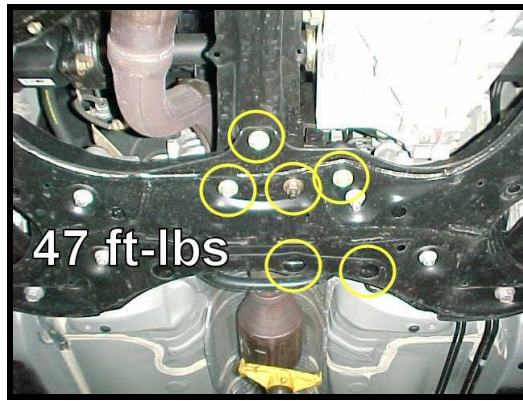
2 – Install the front cradle nuts and torque to **116 ft-lbs**.



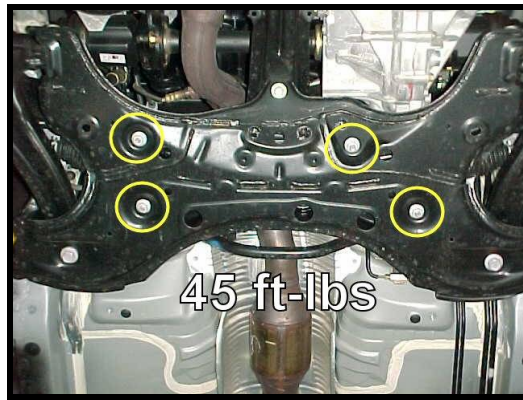
3 – Install the 2 bolts that secure the cradle bridge bracket to the radiator support. Torque to **29 ft-lbs**.



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

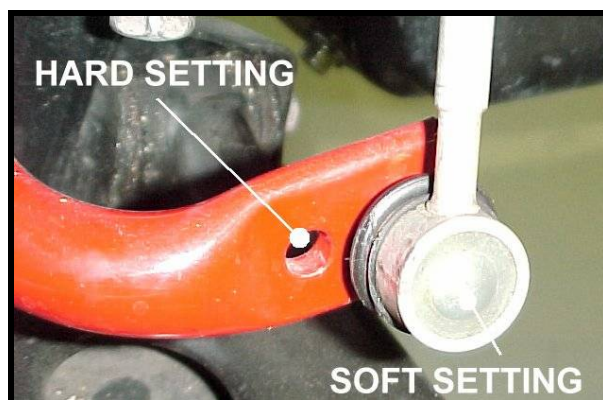


5 – Install the 4 nuts to secure the steering rack to the cradle. Torque to **45 ft-lbs**.



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 clears 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.

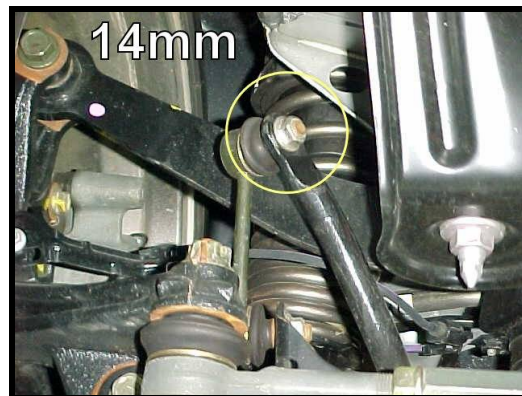


- 14) Re-check all hardware for tightness. Use a jack to remove the jack stands and you're ready to move on to the rear sway bar!

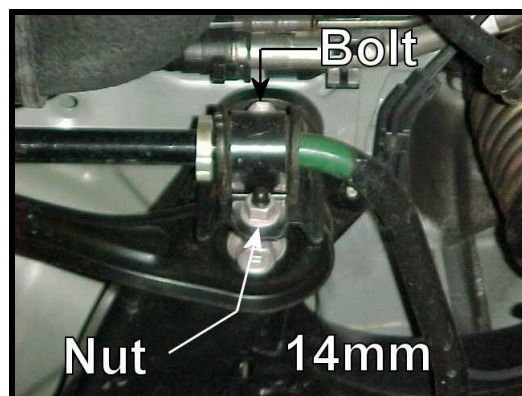


INSTALLATION OF HOTCHKIS REAR SWAY BAR

- 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.

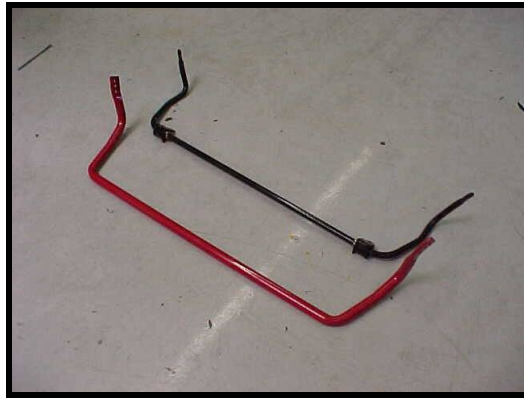


- 3) Remove the nut and bolt for each side subframe mount using a 14mm socket. You may discard this hardware.

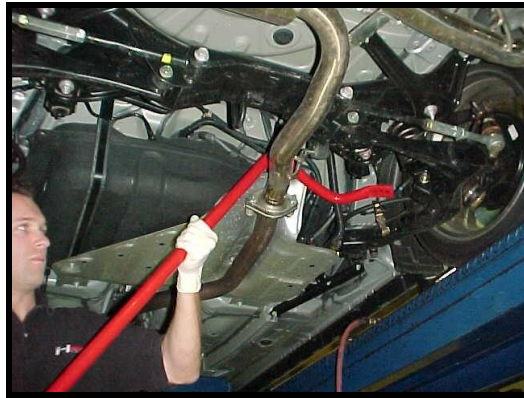


- 4) Remove the subframe bushing and bracket to ease the removal of the bar from the vehicle. You may discard the old bushing and bracket. Gently pull the sway bar towards the front of the car and the driver side end should be free to drop out.

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



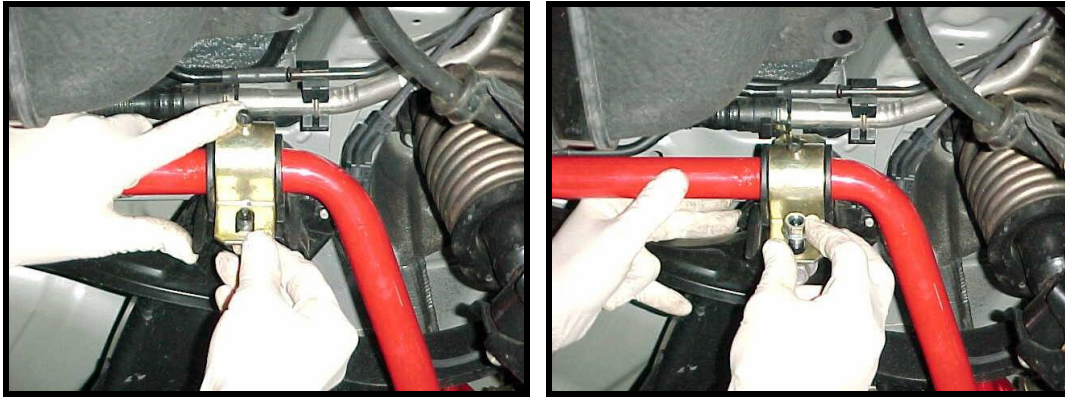
- 6) Install your new Hotchkis sway bar in the same manner as the stock removal. Just to reiterate, the passenger side end of the bar will be fed up and over the exhaust pipe first. Then the bar can be positioned correctly.



- 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 it's proper position. Install the provided nut and bolt to secure the bracket to the frame of the vehicle.



- 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.

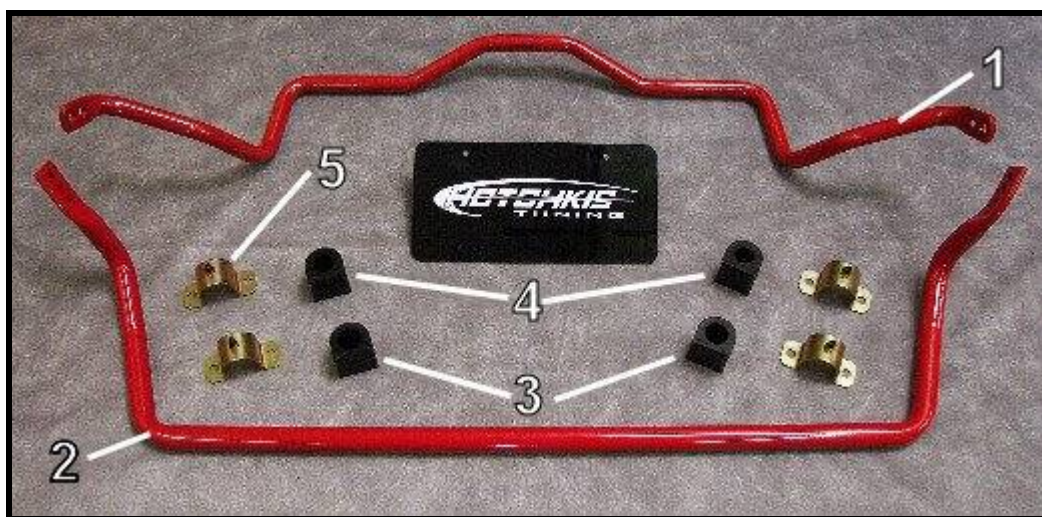


- 14) Re-check all hardware for tightness. Use a jack to remove the jack stands and you're finished! Enjoy your new Hotchkis sway bar kit!



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



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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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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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