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

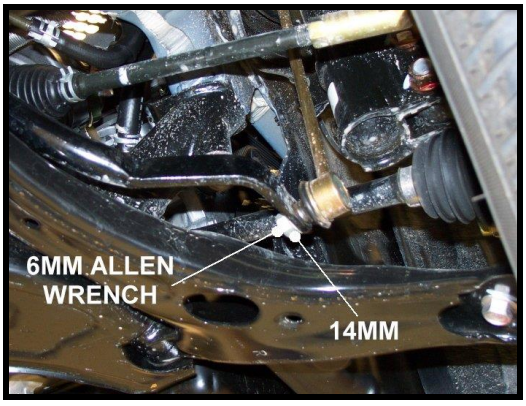
STOP Please Read Before Continuing STOP

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.

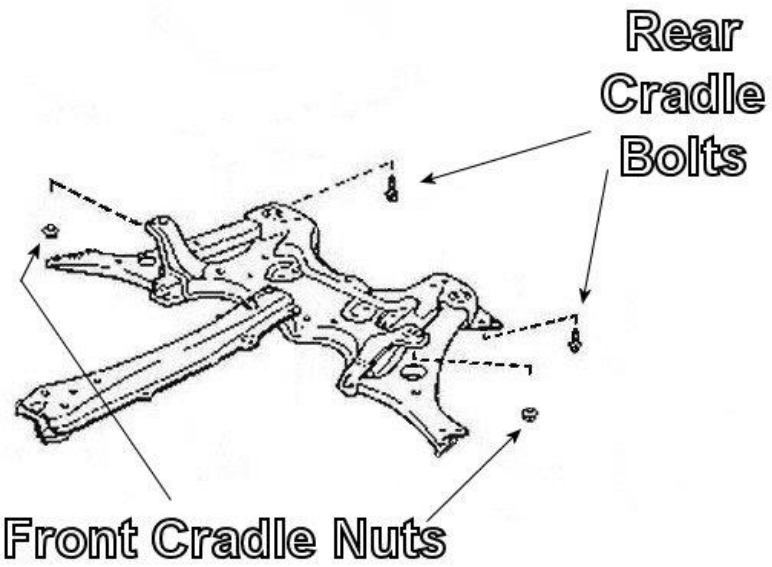
INSTALLATION OF HOTCHKIS FRONT SWAY BAR

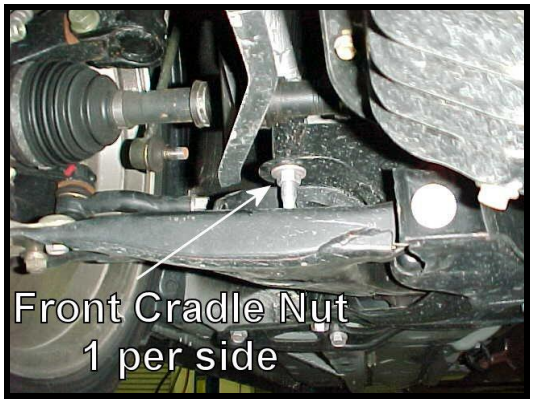
1) Securely block the rear wheels of the vehicle. Use a jack to lift up the front of the vehicle and use jack stands to support it. Do not remove the front wheels during installation for safety.

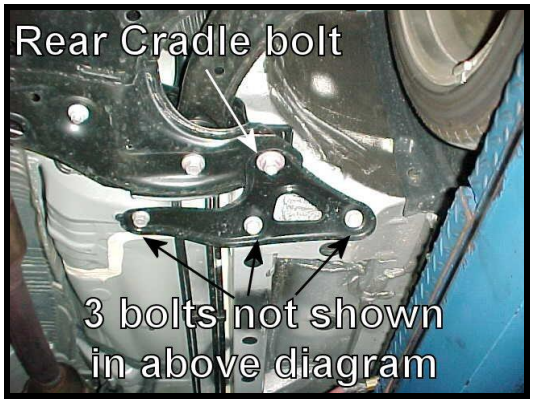
2) Use a 14mm wrench and 6mm Allen wrench to remove the nuts holding the end links to the ends of the stock sway bar. Remove the end links from the ends of the sway bar. Retain the hard ware for later use.



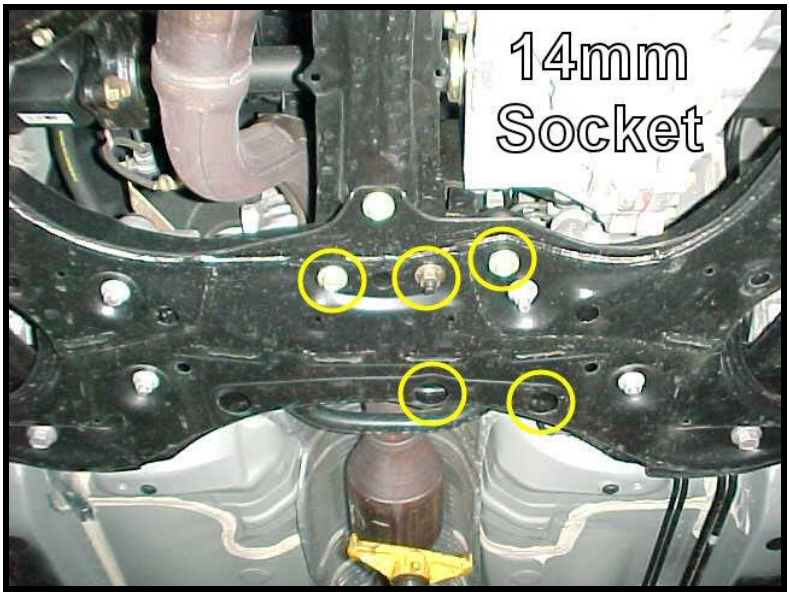
3) Use a 19mm Socket to remove the 2 nuts in the front and 8 bolts in the rear of the cradle.



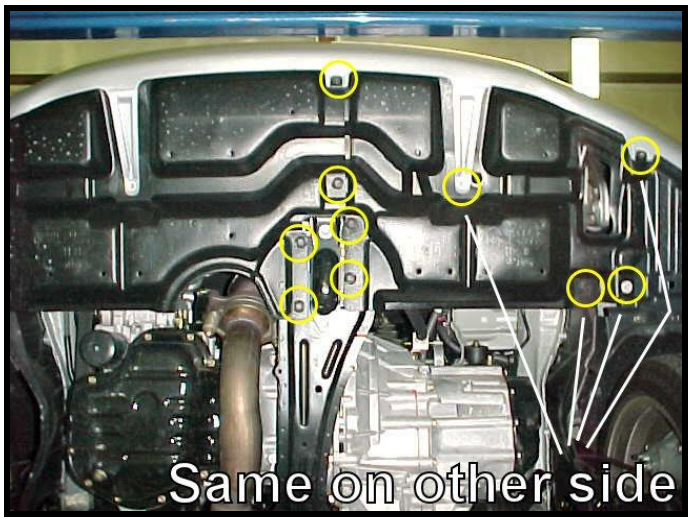




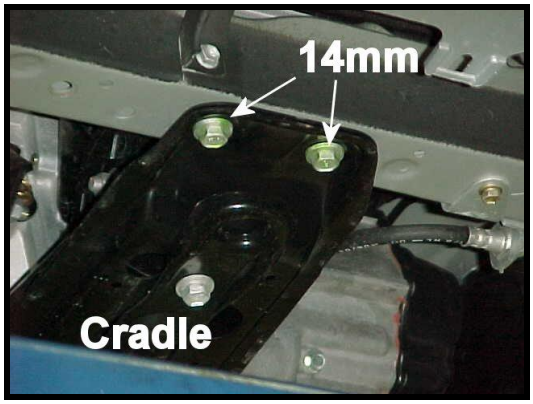
4) Use a 14mm Socket to remove the 3 Nuts and 2 Bolts that secure the lower engine mount to the cradle. Retain all hardware for re-installation.



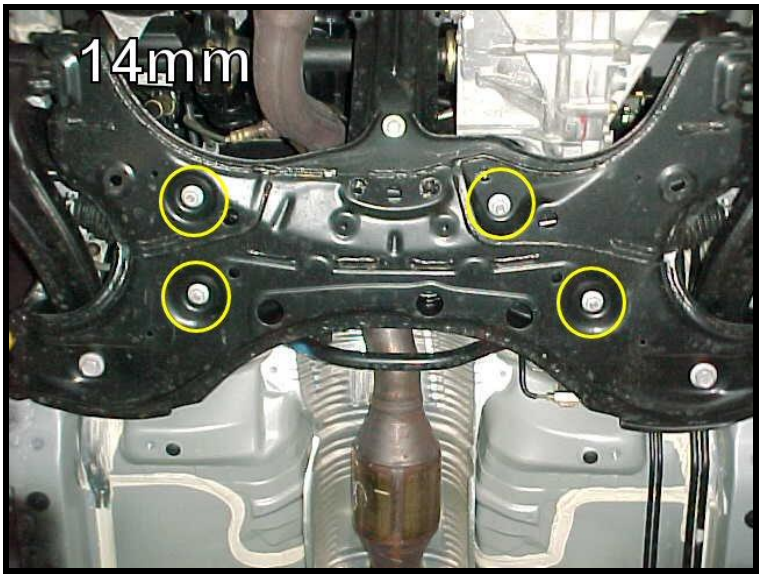
5) Remove the front splashguard by removing a series of plastic fasteners and bolts. Use a 10mm socket or screwdriver to remove the bolts. Use a flat head screwdriver to undue the plastic fasterners. Retain all hardware for re-installation.



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

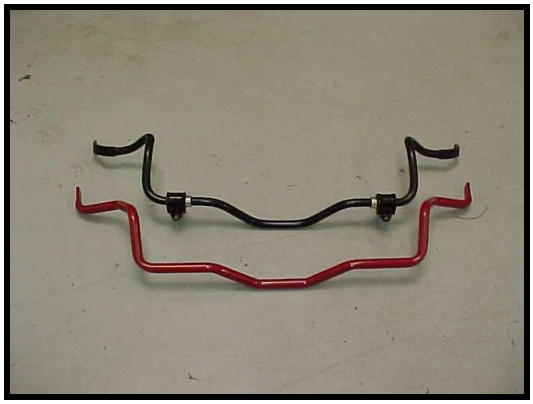


7) Remove the 4 nuts that secure the steering rack to the cradle. It's suggested that you use an impact wrench for easier removal.



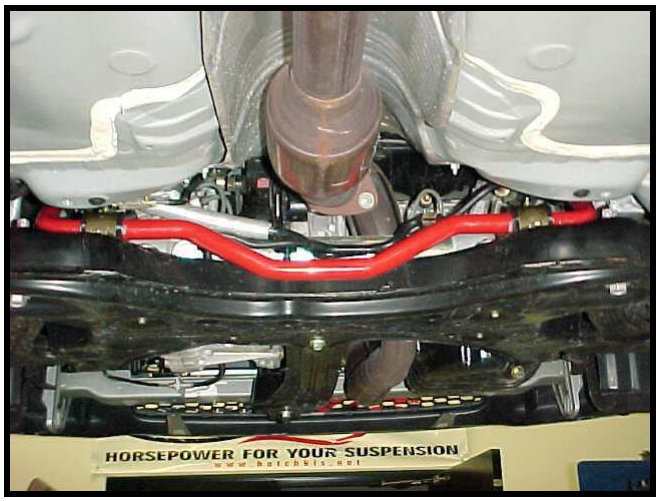
8) With all the nuts & bolts removed the cradle should droop loosely enough to reach the sway bar mounted to the top rear portion of the cradle. Use a 14mm socket or wrench to loosen and remove the four bolts holding the stock sway bar in place. Remove the stock sway bar, bushings and brackets. Retain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

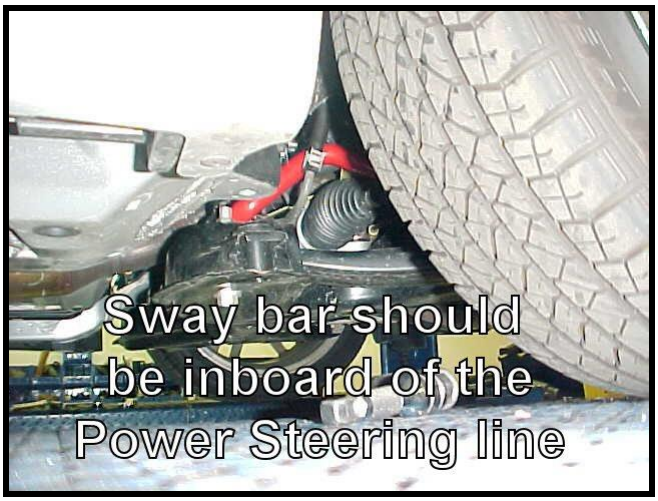
9) With the stock sway bar removed, set your new Hotchkis bar next to it for reference and orientation.

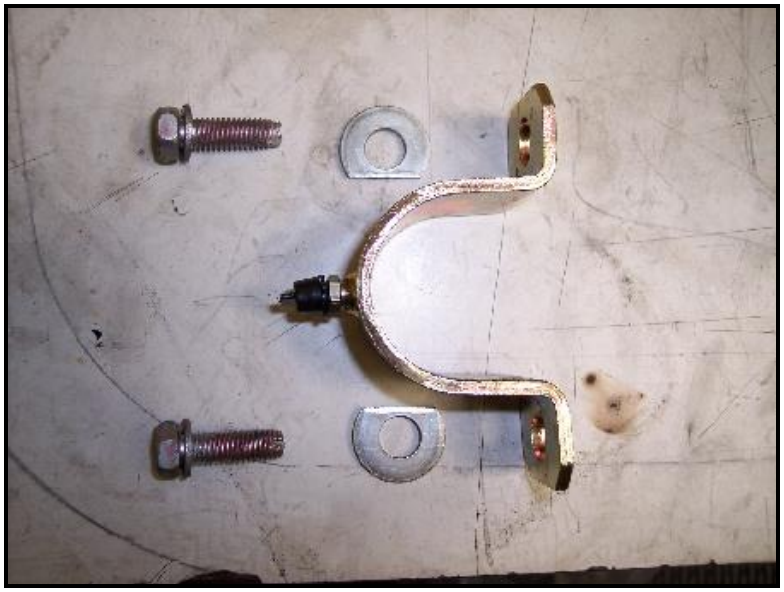


10) Re-install your new Hotchkis sway bar in the same manner as the stock sway bar removal. Install using the included Hotchkis polyurethane bushings and brackets. It's a good idea to install the bushings and brackets after the bar is in position. Lube the inside of each bushing with the provided grease.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

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





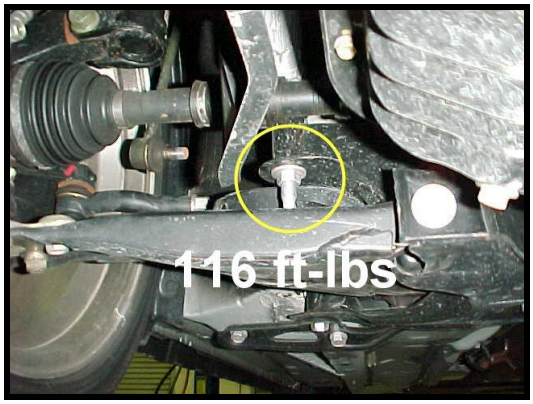


Use the provided flat cut washers with the OEM bolts

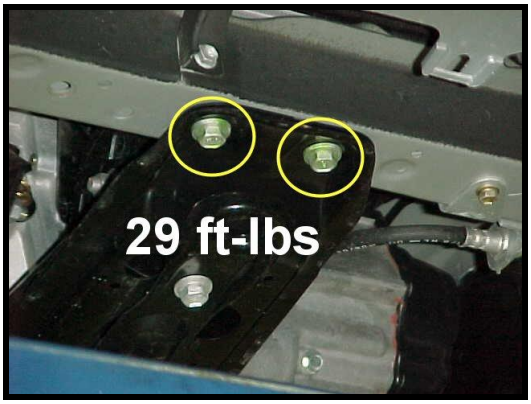
11) ***Steps for reinstalling the cradle:***

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**.

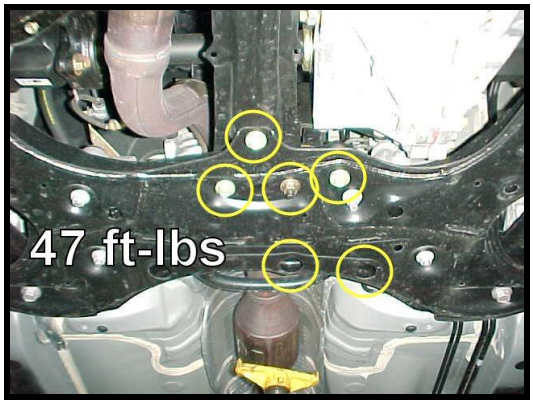
2 – Install the front cradle nuts and torque to **116 ft-lbs**.



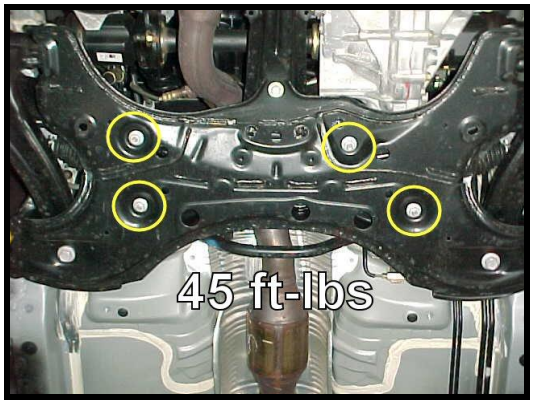
3 – Install the 2 bolts that secure the cradle bridge bracket to the radiator support. Torque to **29 ft-lbs**.



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

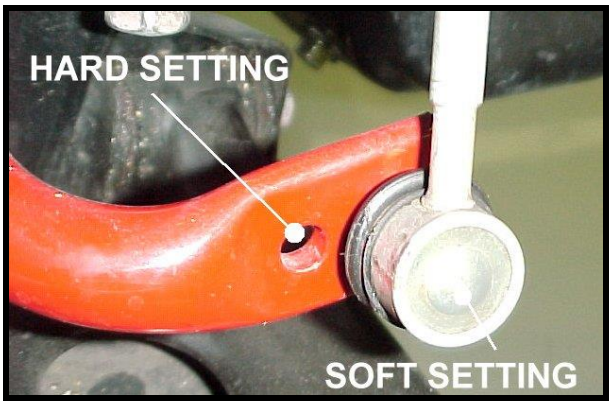


5 – Install the 4 nuts to secure the steering rack to the cradle. Torque to **45 ft-lbs**.



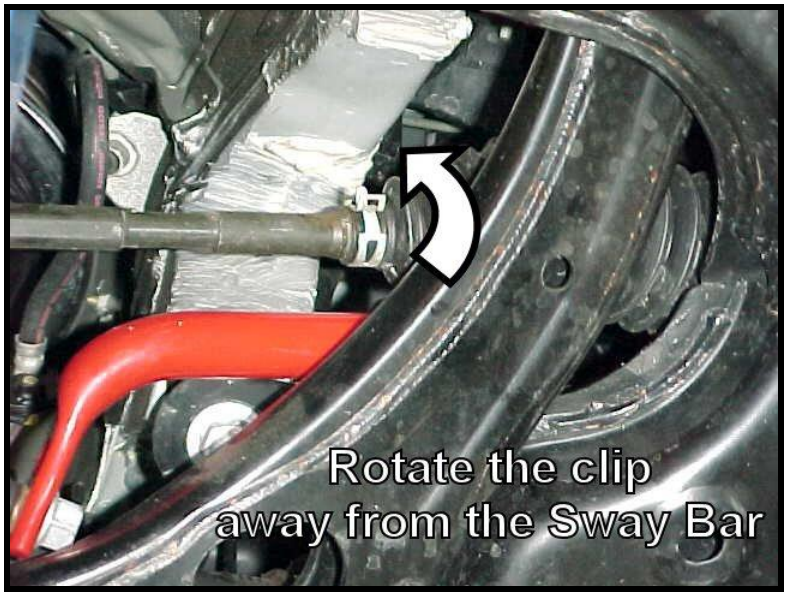
6 – Reinstall the front splashguard in the same manner as removal. This will conclude the cradle reinstallation procedure.

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.

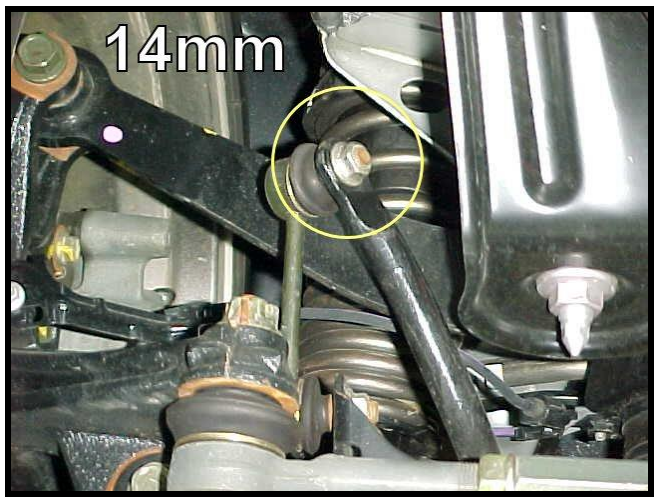


14) Re-check all hardware for tightness. Use a jack to remove the jack stands and you're ready to move on to the rear sway bar!

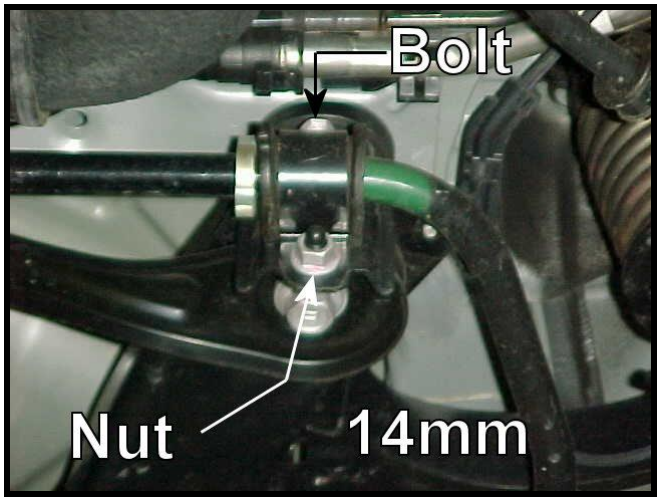
INSTALLATION OF HOTCHKIS REAR SWAY BAR

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.

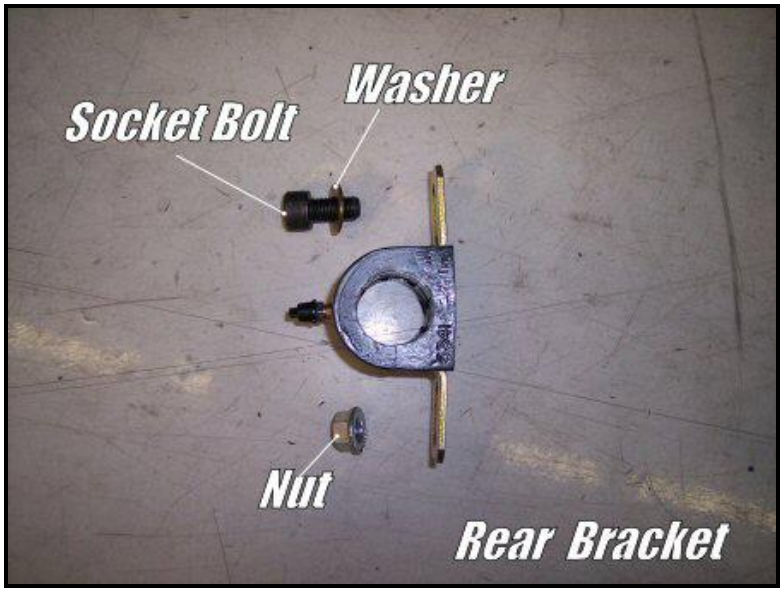
5) With the stock sway bar removed, set your new Hotchkis bar next to it for reference and orientation.

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 it's 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

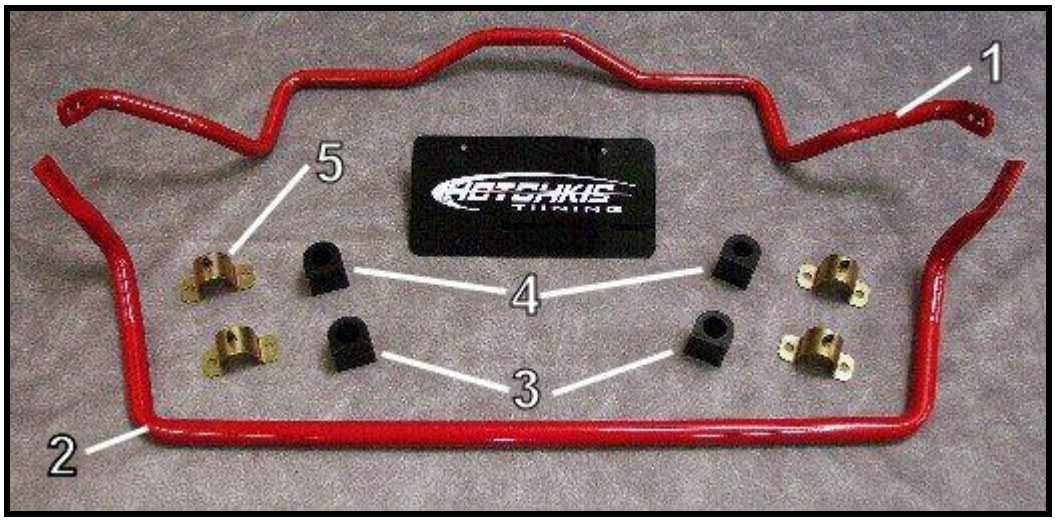


9) Lastly, secure the end links on to your new Hotchkis sway bar. Adjust your sway bar stiffness by selecting one of the 3 holes on the end of the bar. The hole closest to the end is the softest setting.

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



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Hotchkis Performance Inc.
RMA #_____
118 Infield Court
Mooresville, NC 28117

Hotchkis Performance Inc. will return all products covered under warranty to you by ground freight at Hotchkis Performance Inc.'s expense. Any expedited freight is the responsibility of the customer.

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