



22417, 22418 & 22418R SWAY BAR SET
2002-UP SUBARU STi



**Thank you for your purchase from our line of Subaru WRX parts.
Please call us at (877) 4NO-ROLL if you have any questions regarding the service or installation
of your Hotchkis Tuning products.**

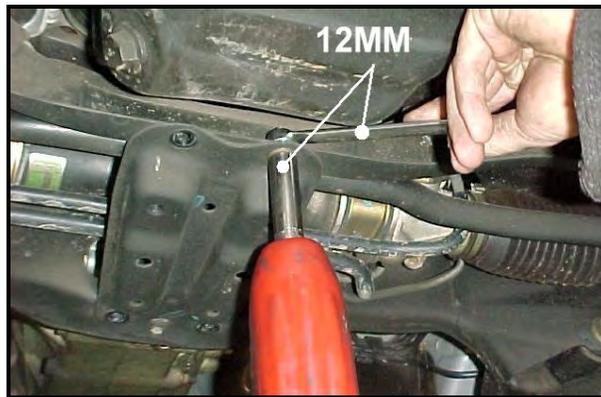
- This installation will require:
 - Hydraulic jack, ramps, torque wrench
 - The following wrenches or sockets: 12mm, 14mm, 17mm
 - Allen wrenches or hex sockets: 6mm

INSTALLATION OF HOTCHKIS TUNING FRONT SWAY BAR

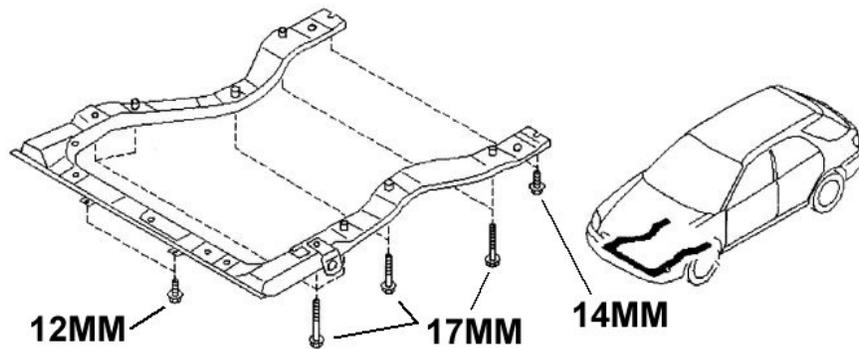
- 1) Securely block the rear wheels of the vehicle. Use a jack to raise the front end of the vehicle and support it on ramps. You **MUST** install the front bar with the car on the wheels. Observe the stock front sway bar installation for reference.
- 2) Remove the plastic splashguard from under the front of the vehicle. It is held in place by small plastic clips that can be removed by hand. Retain the clips and splashguard for re-installation.



- 3) Use a 12mm wrench or socket to remove the four bolts holding the skid plate in place. Retain the hardware and skid plate for later re-installation.



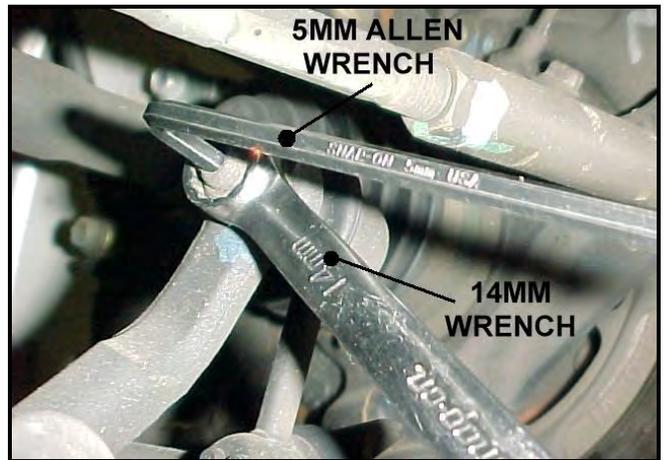
- 4) Loosen and remove the bolts holding the front sub frame in place (observe the diagram). *The front sub frame is not weight bearing, and can be easily removed by one person without having to support the engine.* Retain all hardware for later re-installation. Remove the sub frame when unbolted.





**SUB FRAME BEARS NO WEIGHT
AND IS EASILY REMOVED**

- 5) Unbolt the stock end link from the sway bar on each side. Use a 14mm wrench and a 5mm Allen wrench to remove the nut from the end link. Retain the hardware for re-installation.



- 6) Use a 12mm socket or wrench to loosen and remove the bolts holding the sway bar bushings and bushing retainer brackets in place. The front sway bar should now just drop out. Remove the stock front sway bar. Keep the hardware and brackets for later re-installation.



- 7) Use the grease provided to apply a thick coat of grease to the inside of the new bushings and slide the bushings over the bar. *Some early models of the bar may have centering washers. **These have since been removed, as they were found unnecessary with the Hotchkis bar.*** If you have washers on your bar the bushing goes to the outside of the washer.



- 8) Lift the Hotchkis sway bar into position the same way the stock sway bar came out. Use the stock mounting brackets and hardware to secure the new sway bar in place.



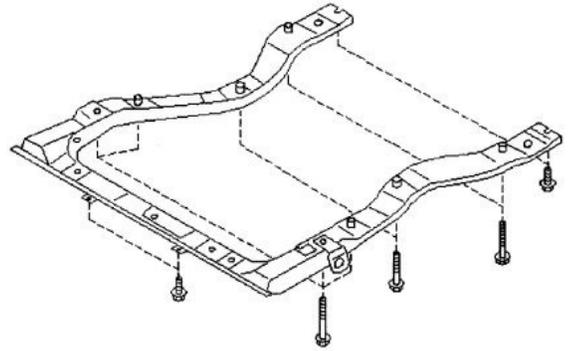
Use a 12mm wrench to tighten the hardware. *It may be easier to rotate the bar and connect it to the end links in the following steps with the bushings still slightly loose.* Torque the bolts to 30ft/lbs.



- 9) Rotate the Hotchkis sway bar into position until you can re-connect the end links. For stock end links you should use the 14mm wrench and 5mm Allen wrench you used to remove the nut. Torque the end link nut to 30ft/lbs.



- 10) Re-install the sub frame.



- 11) Re-install the skid plate and check all hardware for tightness. Install the splashguard to finish.



MOVE ON TO THE REAR BAR INSTALLATION



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

- This installation will require:
 - Hydraulic jack, ramps, torque wrench
 - The following wrenches or sockets: 10mm, 12mm, 13mm, 14mm
 - 13mm swivel socket, medium length (6-10") socket extension (reference step 4)

INSTALLATION OF HOTCHKIS TUNING REAR SWAY BAR

PLEASE NOTE: For the STI models, your rear endlink will bolt back in, just like the stock one.

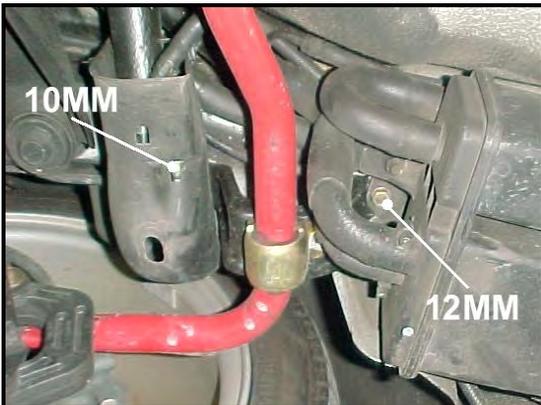
- 1) Securely block the front wheels of the vehicle. Use a jack to raise the rear end of the vehicle and set the wheels on ramps. IT IS EASIER to install the bar when it's on it's wheels.
- 2) Observe the stock sway bar installation for reference. Use a 14mm wrench or socket to loosen and remove the bolts holding the end links to the sway bar. Retain the hardware for later use.



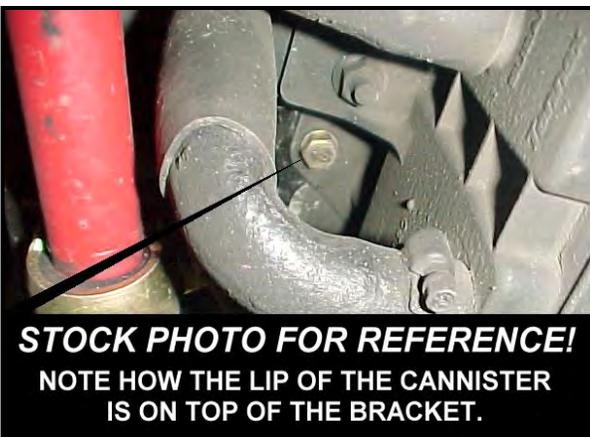
- 3) Next use a 12mm wrench or socket to remove to remove the bolts holding the sway bar brackets in place. The rear sway bar should now drop out of place. You will not be re-using any of the brackets, bushings, or hardware from the stock sway bar.



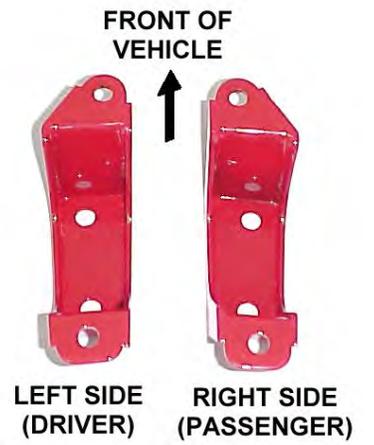
- 4) With the rear sway bar out of the way you can remove the stock frame brackets. Use a 10mm wrench or socket to remove the retaining nut holding the plastic shield over the gas fill pipe on the passenger side. Gently pull the plastic cover out of the way for access to the forward bracket bolt. Use a 12mm wrench or socket to remove the bolts holding the frame brackets.



You will need a 13mm swivel socket and extension to remove the front bracket bolt on the passenger side. This bolt is difficult to reach, but we do not recommend prying the gas lines out of the way for safety reasons! You may discard the stock mounting hardware and brackets.



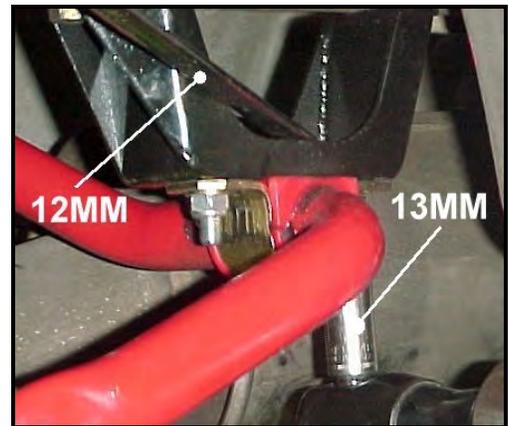
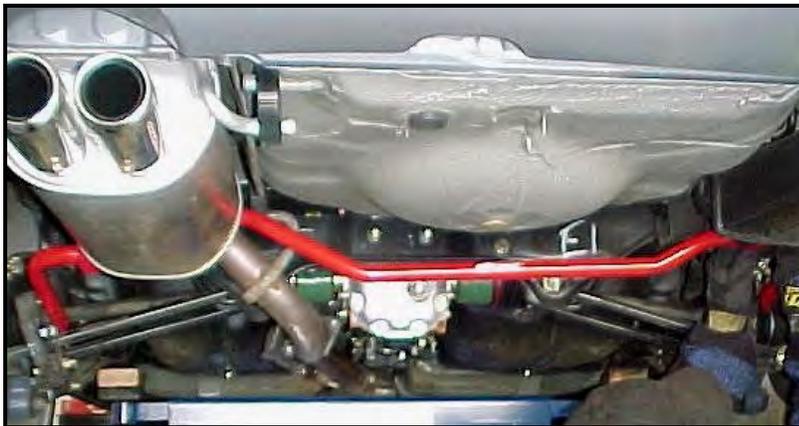
- 5) With both stock brackets removed you are ready to install the Hotchkis brackets. The bracket on the passenger side can be installed with the lip of the charcoal canister under the bracket instead of on top of the flange. **Use the new flange head bolts from the 1737 hardware kit included to bolt the brackets to the frame. You will have to hand-start the front bolt on the passenger side.** Use a 12mm socket or wrench to torque the bracket bolts to 30ft/lbs.



- 6) Use the grease pack included to apply a thick coat of grease to the insides of the new sway bar bushings. Then place the bushings over the sway bar with the split in the bushing towards the front of the vehicle. Place the bushing retainer brackets over the bushings. Insert the four remaining flange head bolts into the brackets from the backside.



- 7) Use a 12mm wrench or socket to hold the bolt head and a 13mm wrench or socket to tighten the nylock nut to mount the sway bar to the bracket. Torque the hardware to 30ft/lbs.



- 8) Reconnect the end links to the sway bar using a 14mm wrench or socket. Torque the hardware to 30ft/lbs. *You may have to lower the car to the ground to rotate the bar to match the end links.*



- 9) Make certain the zerk caps covering the grease fittings are in place. Re-check all hardware for tightness. Re-place the rear wheels and use the jack to remove the jack stands to lower the car, if you have not done so already. You should now be finished installing your new Hotchkis sway bar set!



IMPORTANT: For regular maintenance the bushings should be greased at least once a year (15,000 miles) or whenever excessive noise occurs. Use a non-lithium based grease, as lithium grease can wash out with water.







Subaru WRX Street Sway Bar kit, Parts List P/N 22418 & 22418R

Hotchkis P/N	Item Description	Quantity Per Kit	
22418			
4	22820136	1" Subaru Front Sway Bar, Hollow	1
5	22920218	1" Subaru Rear Sway Bar, Hollow	1
6	5664.01	Front Sway Bar Bushing, Subaru	2
7	25405	End Link Kit	1

'R' Kits are the same as the full kit, minus the front bar and front bushing P/N's 22820136 and 5664.01

Components In Kit 14407 (one per 22406 kit)

8	14520136	Mount Bracket, Left	1
9	14620136	Mount Bracket, Right	1
10	23090210	Universal Sway Bar Bracket, Small	2
11	5708.01	Small Greaseable bushing, 1"	2
12	9.11108	Grease Pack	2

Hardware In Kit 1737 (one per 14407 kit)

8	17490002	Flat Sided Sway Bar Washer	4
9	M8-1.25x25	Grade 10.9 Flange Head Bolt	4
10	M10-1.5x25	Grade 12.9 Socket Head Bolt	4

Items Not Pictured

11	n/a	Instruction Set	1
----	-----	-----------------	---



WE WANT YOU!



Submit pictures of your car to Hotchkis Tuning for display in our Customer Rides section!



Another satisfied sway bar set customer.

Don't miss out on everything else Hotchkis Tuning has to offer for YOUR Subaru WRX!!!



Camber plates that bolt directly to the Hotchkis sport strut tower brace!

Camber plates available with red, blue, purple, or polished caps!

Sport coil springs for street applications!

Competition end link kits!



Adjustable rear camber links with over four degrees of total adjustment!



Sport strut tower brace that mounts with or without Hotchkis camber plates!

Visit Hotchkis Tuning on the web at www.hotchkistuning.com or

Call (562) 907-7757 to order!



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.

12035 BURKE ST. SUITE 13 SANTA FE SPRINGS, CA 90670
PHONE: (562) 907-7757 FAX: (562) 907-7765



RETURN THIS FORM FOR A FREE 9" DIE CUT STICKER!

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) _____

12035 BURKE ST. SUITE 13 SANTA FE SPRINGS, CA 90670

PHONE: (562) 907-7757 FAX: (562) 907-7765