



#22810 & #22800 Competition & Sport Sway Bar Kit Installation Instructions

Thank you for choosing Hotchkis Performance Sway Bars. This kit requires both front and rear sub-frames to be dropped for stock bar removal and HSport installation. Professional installation is recommended but not required.

Note: Total installation time could be as much as three to four hours.

Tools Required:

16mm socket and wrench w/ extension

5mm allen

E12 Torx socket or wrench

13mm socket and wrench

21mm socket

Start With The Front

- 1/ Raise the vehicle using a four-wheel lift, ramps or jack stands. Only use a level surface and only use the manufacturer's named jack points.
- 2/ Once raised, you should be able to see the stock bar at the center of the vehicle, just behind the front axle line. **Take a moment and observe the way in which this bar is mounted.**
- 4/ Before starting on the sub-frame, disconnect the lower end-link from the bar using a 16mm wrench and 5mm allen.
- 3/ Remove the front plastic aero pan.
- 4/ Now, you will remove the bolts which attach the front sub-frame to the vehicle. **Note: By removing the hardware, nothing will fall from the underside. In fact, the sub-frame, once the hardware is removed, will have to be pried-open to reach the bar.**

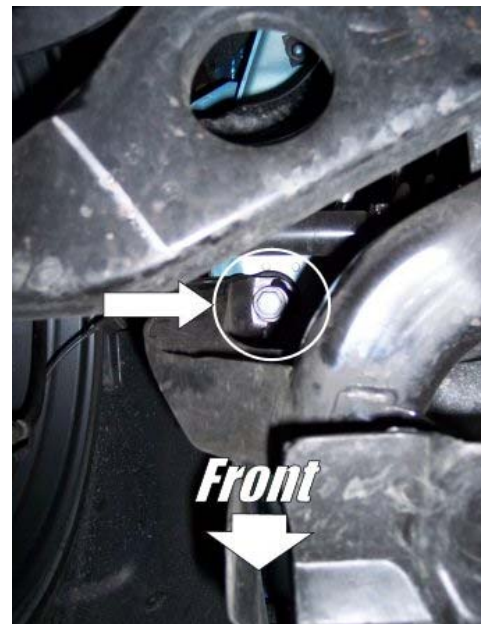
- a) Using a 16mm socket, remove the 6 bolts (3 per side) at the rear most point of the front sub-frame.



- b) Using the same 16mm socket, remove the 2 bolts (1 per side) located at the rear-inboard edge of each wheel well.



- c) Using the same 16mm socket and a long extension, remove the two bolts (1 per side) as the sub-frame turns up and just forward of the axle line.



- d) Finally, using the same 16mm socket, remove the 4 bolts (2 per side) at the front of the sub-frame where it slips into the two solid frame points.



- 5/ That's it for the sub-frame. Now you must disconnect the lower motor mount. Using the same 16mm socket, or a wrench, remove the horizontal bolt. Then, remove the vertical bolt as shown.



- 6/ Before removing the front anti roll bar bracket bolts, we highly recommend you remove the four steering rack bolts. Not required but if the sub-frame is pulled down with the rack still attached, this may pop the rubber grommet from the firewall. Removing the four bolts is time consuming but so is reinstalling the grommet – you choose! Use a torx (E 12) socket or wrench.

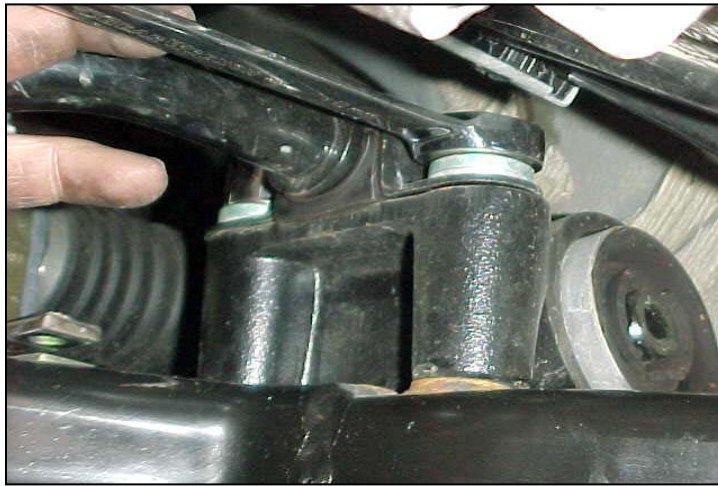


2 bolts per side; allows more open space without pulling on firewall grommet.

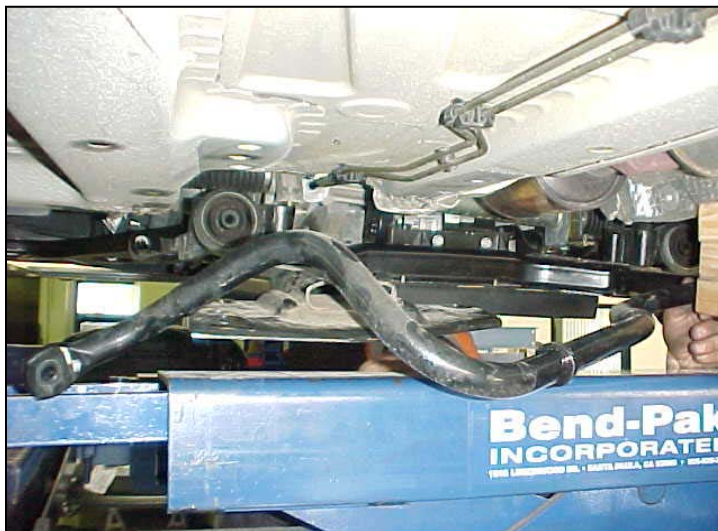
****Ride Stability Sensor:** If included with your Mini, this sensor is located on the left-front suspension. Disconnect the connector before step 7**

- 7/ Now that the sub-frame is free, simply apply pressure to the rear to allow for more room to remove the bar. You can prop the end down using a piece of wood. Only a few inches are needed. Then, remove the four bushing bracket

bolts using the 18mm wrench. **These are long bolts and take great pressure to break free.**



8/ Finally, the bar is free and you are ready to remove it. Do this by simply rotating the center to lift the ends over the steering arms, then pull straight out towards the rear of the vehicle. You may have to maneuver the bar to better position it as it comes out but be patient.



9/ **Before installing the bushings or brackets**, install the HSport bar the same way in which you removed the stock bar. The center HSport sticker faces right-side up and to the rear of the vehicle.

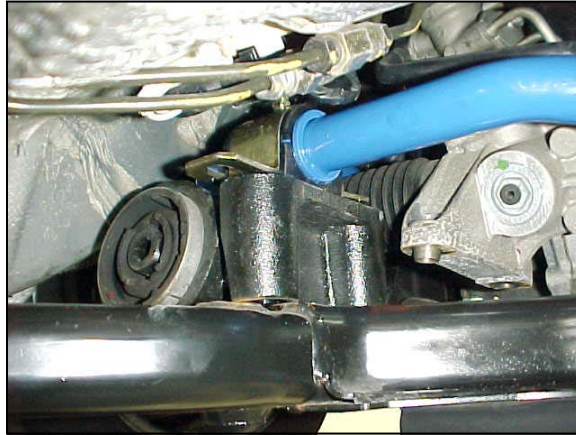
HSport
Sticker



10/ Once the HSport bar is positioned, grease the inner portion of the two supplied front bushings (1/4 of the tube for each). Then, install the bushings over the bar on the outside of the washers as shown.



11/ Then, install the larger supplied bushing brackets over the bushings with the grease fittings facing inwards or towards each other.



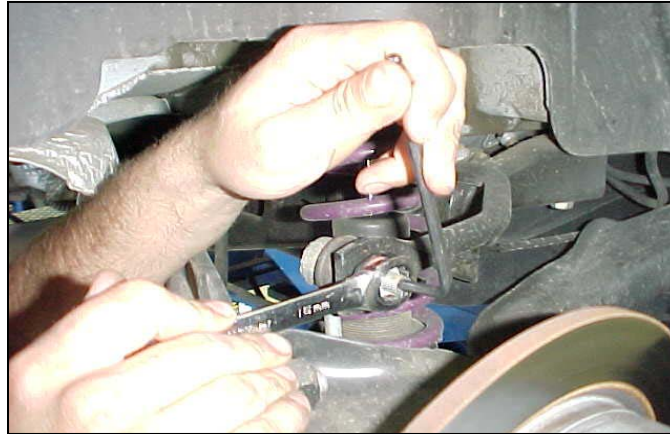
12/ Now, start with the bushing bracket bolts, then the steering rack torx bolts and reinstall all the rest of the sub-frame hardware. **Make sure ALL bolts are reinstalled and that they are tight and secure!**



13/ Finally, make sure that the end-link nuts are secure by using the 5mm allen with the wrench. We recommend that you start in the 'soft' position which is the hole towards the bar end.

You Are Done With The Front! Now The Rear!

- 1/ Raise the vehicle using a four-wheel lift, ramps or jack stands. Only use a level surface and only use the manufacturer's named jack points.
- 2/ Once raised, you should be able to see the stock bar tucked up within the sub-frame. **Take a moment and observe the way in which this bar is mounted.**
- 3/ Remove the two rear wheels. The bar ends are now exposed. Disconnect the end links from the bar using the 16mm wrench and 5mm allen.



- 4/ Next, remove the two-spring/shock assemblies (only one side is required but both removed makes the job easier) using a 13mm socket with extension for the two upper bolts and a 21mm socket for the lower bolt as shown.



- 5/ Before removing the sub-frame hardware, remove the four anti roll bar bushing bracket bolts using a 13mm wrench or socket.



6/ Now, remove the sub-frame hardware. Using a 16mm socket, remove the 2 bolts (1 per side) located just forward and up of the brake line and sensor - shared bracket. The other 2 (again, 1 per side) are located just inboard. You'll see one just above the stability sensor on the left upper link.



7/ The sub-frame should be loose. Apply pressure to the sub-frame so that the bar (without the brackets and bushings) can be pulled out from one side.



8/ Once the stock bar is out, slide the Hotchkis bar in without the bushings and brackets attached. Once the bar is in the approximate stock location, use the remaining grease on the inside of the rear bushings and slip them over the bar. Then install the supplied bushing brackets with the grease fittings pointing to the outside.



9/ Now, reinstall the 4 sub-frame bolts, bushing bracket bolts, spring/shock assemblies and end-links. Start the end links in the middle position and tune from there. Make sure all hardware is secure and tight.

Enjoy your new HSport Sway Bar Kit on the street or the track!

If you have any further questions, please contact us at www.hotchkis.net or 562.907.7757 ext 227.

Thank you for choosing Hotchkis.

12035 Burke Street

Suite 13

Santa Fe Springs, CA 90670



Hotchkis Performance LLC Return Policy & Limited Warranty

Effective September 1, 2007. 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.

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 on unused products, 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 product has to be unused and in its original packaging materials and be in sellable condition. For products presenting signs of use or damage, only warranty claims will be accepted. 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 warrants its products against defects in materials and workmanship for the term of 36 months (3 years) from the date of purchase. 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 freight prepaid.

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. 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:

- **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?**
- **Is the return date within 36 months from the purchase date?**
- **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. Warranty related inquires 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.