



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



Thank you for choosing HSport 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.



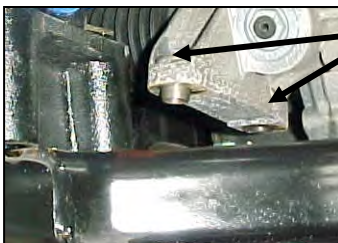
- d) Finally, using the same 16mm socket, remove the 4 bolts (2 per side) at the front of the sub-frame where it slips into the two solid frame points.



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.

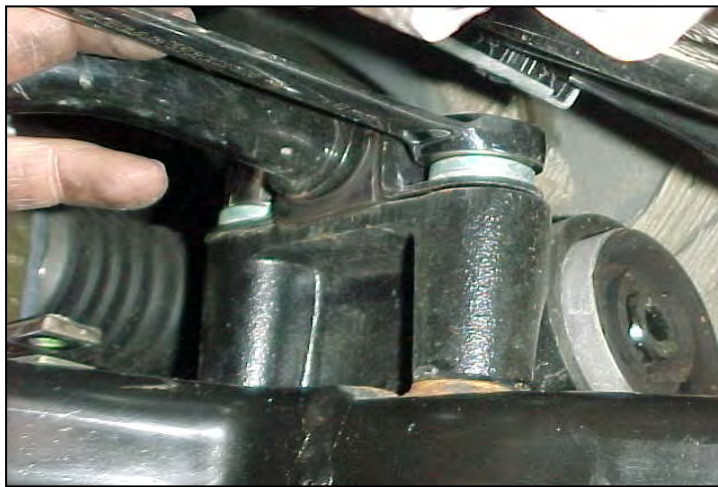


2 bolts per side; allows more open space without pulling on firewall grommet.

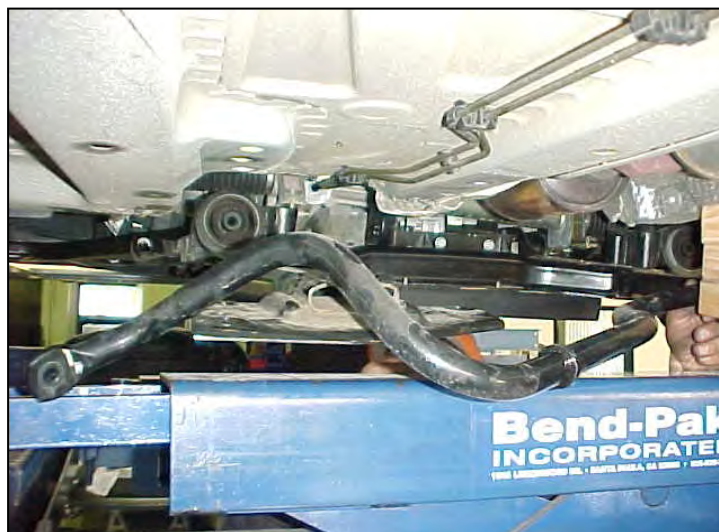
****Ride Stability Sensor:** If included with your Mini, this sensor is located on the left-front suspension. Disconnect the connector before step 7**

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.**

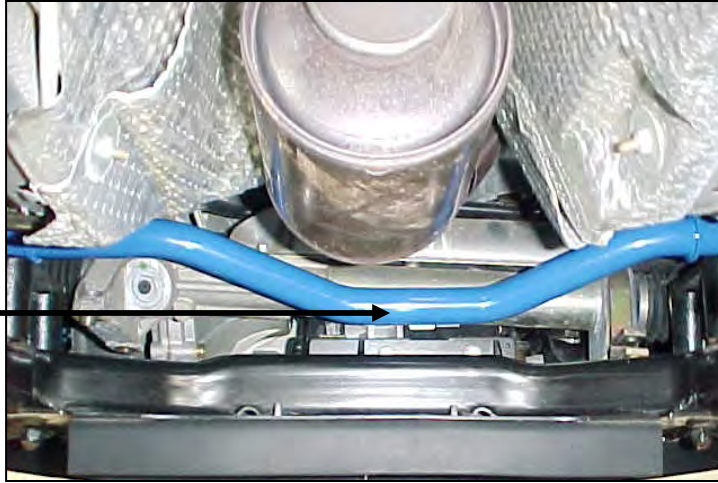


8/ Finally, the bar is free and you are ready to remove it. Do this by simply rotating the center to lift the ends over the steering arms, then pull straight out towards the rear of the vehicle. You may have to maneuver the bar to better position it as it comes out but be patient.



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.

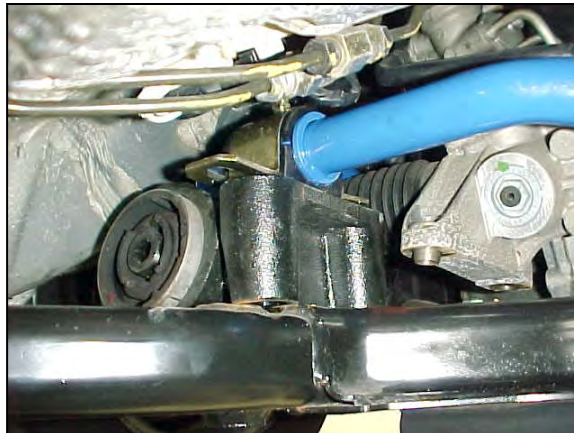
HSport
Sticker



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.



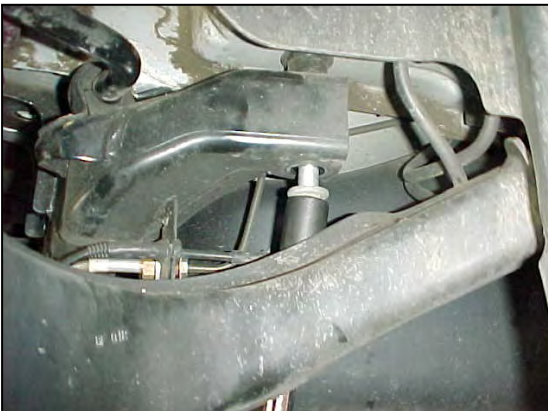
4/ Next, remove the two-spring/shock assemblies (only one side is required but both removed makes the job easier) using a 13mm socket with extension for the two upper bolts and a 21mm socket for the lower bolt as shown.



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 HSport 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 info@h-sport.com or 562.907.7757 ext 227.

Thank you for choosing HSport.

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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.