



**#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.**

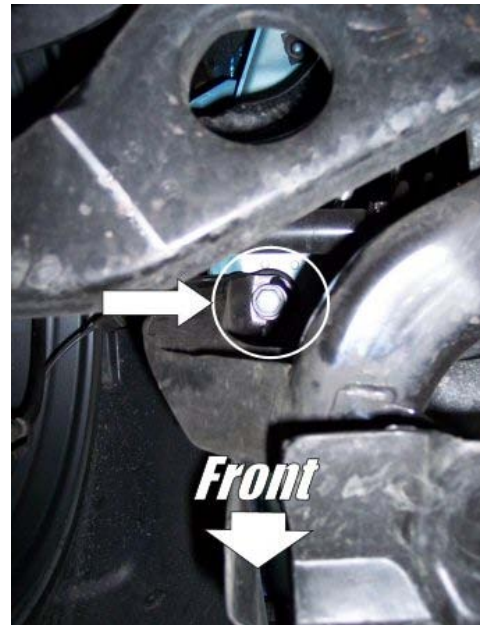
a) Using a 16mm socket, remove the 6 bolts (3 per side) at the rear most point of the front sub-frame.



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.



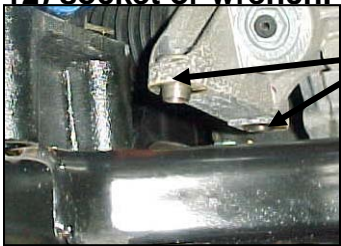
- d) Finally, using the same 16mm socket, remove the 4 bolts (2 per side) at the front of the sub-frame where it slips into the two solid frame points.



- 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\*\*

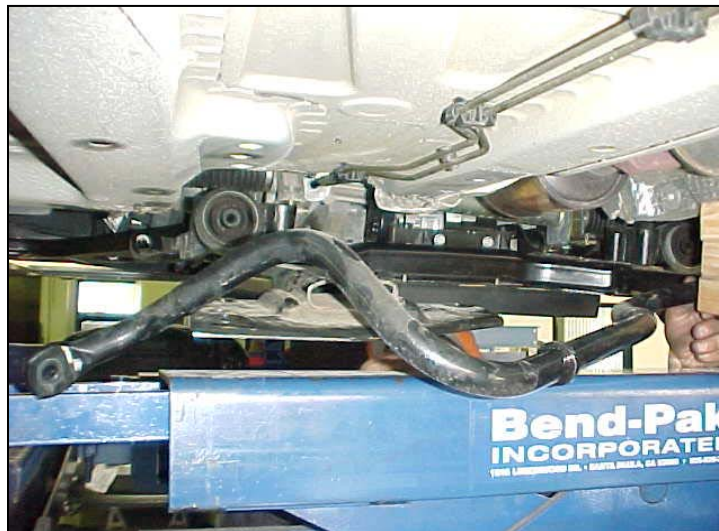
- 7/ Now that the sub-frame is free, simply apply pressure to the rear to allow for more room to remove the bar. You can prop the end down using a piece of wood. Only a few inches are needed. Then, remove the four bushing bracket

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.

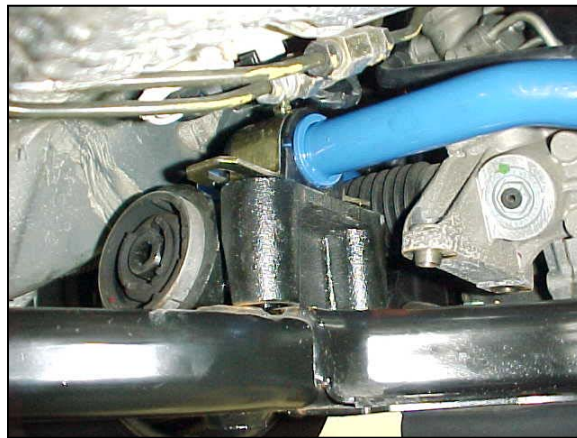
HSport  
Sticker



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.

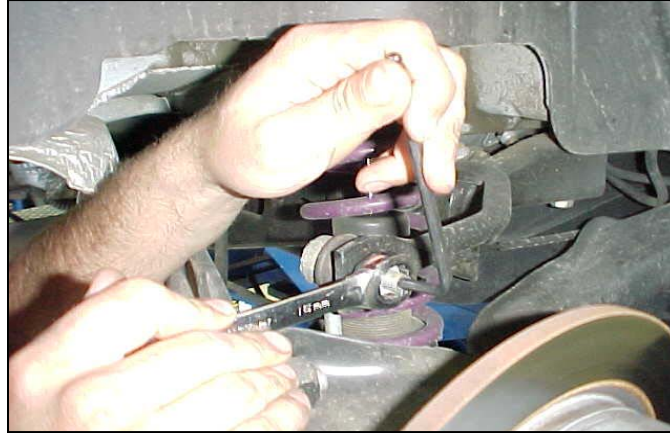
**You Are Done With The Front! Now The Rear!**



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.

