

HOTCHKIS

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SPORT SUSPENSION

Anti-roll bar set 22817

BMW Z4



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INSTALLATION OF HOTCHKIS FRONT SWAY BAR

- 1) Secure the rear wheels with blocks and jack the front up. Support the front of the vehicle with jack stands on the factory jack points. Observe the stock sway bar orientation and position for reference. Note: If you are using a 4-post lift or alignment rack, you do not have to jack the front up.
- 2) Remove the front splash guard.



- 3) Loosen the end link nut, leaving it on it's last couple of threads. The end links will hold the sway bar for you while you unfasten the subframe mounts described in the next step. Once the subframe mounts are detached, then you can spin off the end link nuts quickly allowing you to remove the sway bar easily.



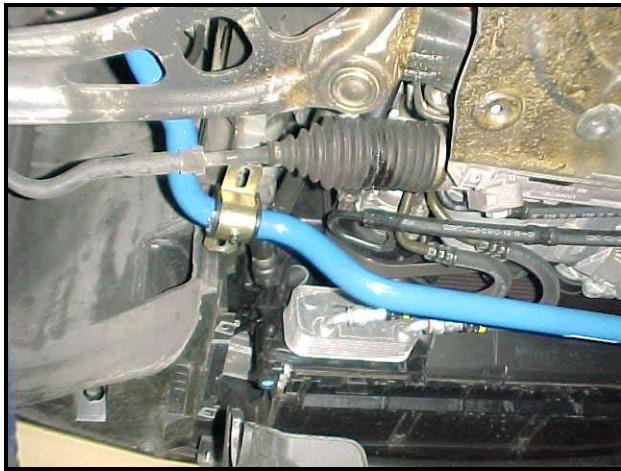
- 4) Remove the sub-frame mounts by unbolting 2 nuts per mount. The Sway bar should be loosely hanging by it's end links at this point. Remove the end link nuts by hand and remove the sway bar. Retain all nuts & bolts for reinstallation. You may discard the sub-frame bracket and rubber bushings.



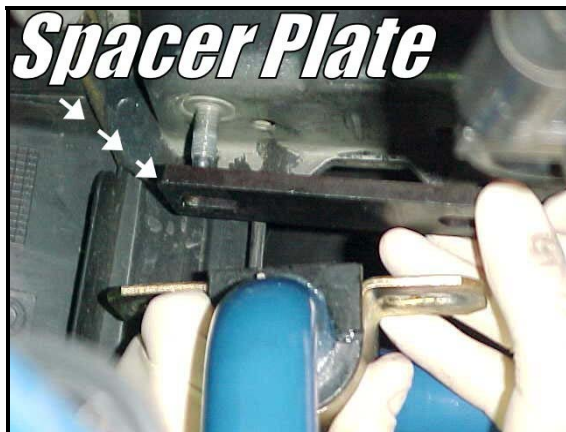
- 5) Apply the provided grease to the new polyurethane bushings. Install the new bushings onto your new H-Sport sway bar. At this time you may also install the bushing bracket.



- 6) Reinstall the bar in the same manner as removal. Attach the end links to the sway bar. Do not fully tighten the end links at this time. You will notice that there are 3 hole settings: normal, medium, and stiff. The hole closest to the end is the normal setting. Choose the stiffness setting that suits your driving needs.



- 7) Install the subframe mounts back onto the vehicle. Use the provided spacer plate for each mount. Fully tighten all hardware at this time (including the endlink bolts!)



- 8) Reinstall the front splash guard.

You are now finished with the front sway bar installation! Make sure that all hardware is fully tightened before driving the vehicle. Let's move on to the rear sway bar installation.

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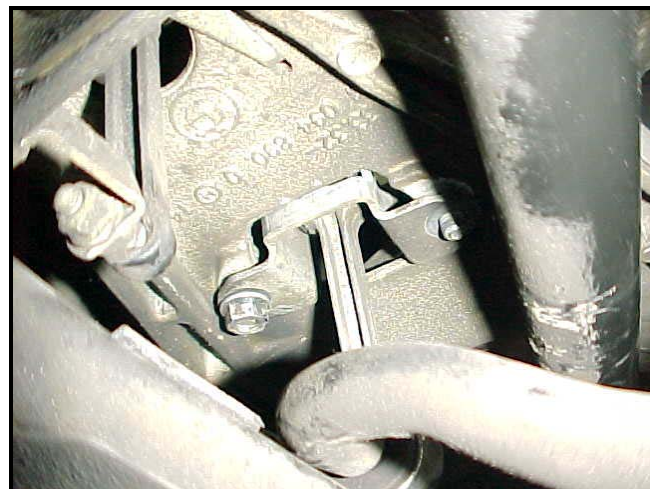
SPORT SUSPENSION

INSTALLATION OF H-SPORT REAR SWAY BAR

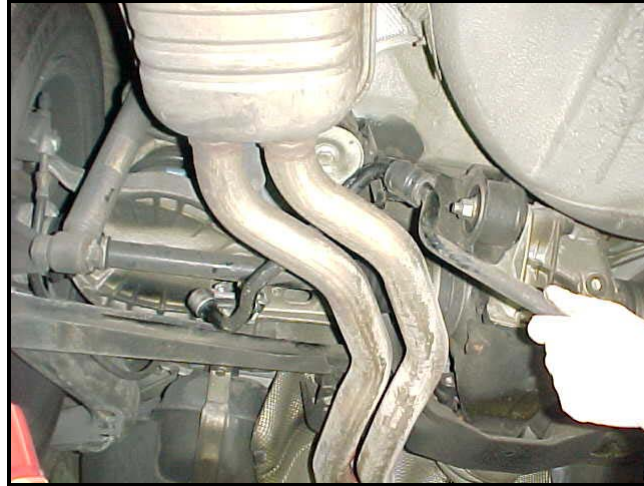
- 1) For the rear installation, it is necessary to install the sway bar while the suspension is at normal driving height (i.e. the suspension should NOT be suspended in the air). The vehicle should be on a 4-post lift or on floor ramps. Floor ramps can be found at most local auto parts store. If using floor ramps, drive the rear of the vehicle onto the ramps and securely block the front wheels.
- 2) Remove the 2 sub-frame mounts.



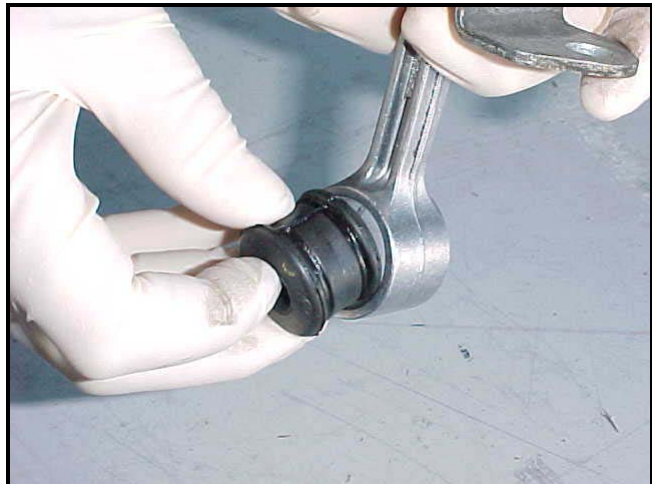
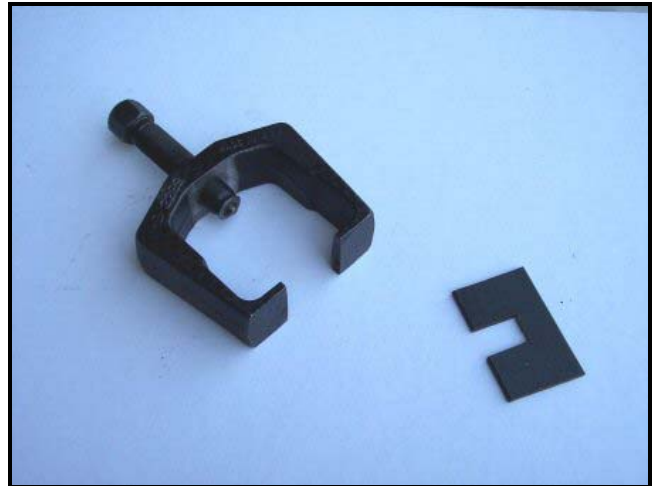
- 3) Next, detach the end link mounts from the upper control arms.



- 4) The sway bar should now be loose from the vehicle. You will have to fish one end past the exhaust pipes in order to remove the bar completely.



- 5) You will be reusing the stock end links for your new Hotchkis sway bar, so you will have to detach the end link from the bar. Soak the bushing down with some penetrating oil. Next, use a ball joint remover or similar tool to push the bar end through the bushing. Then remove the bushing.



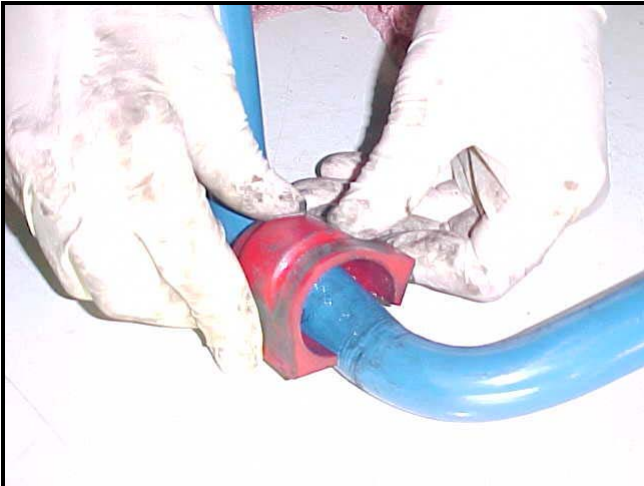
- 6) Lube your new polyurethane end link bushings and sleeve with the provided grease. Install the bushings and sleeve as shown.



- 7) Remove the stock sub-frame mount bracket from the stock bar.



- 8) Lube the inside of your new polyurethane bushings and install them onto your Hotchkis Bar. At this time, you may install the bracket onto the bushing.



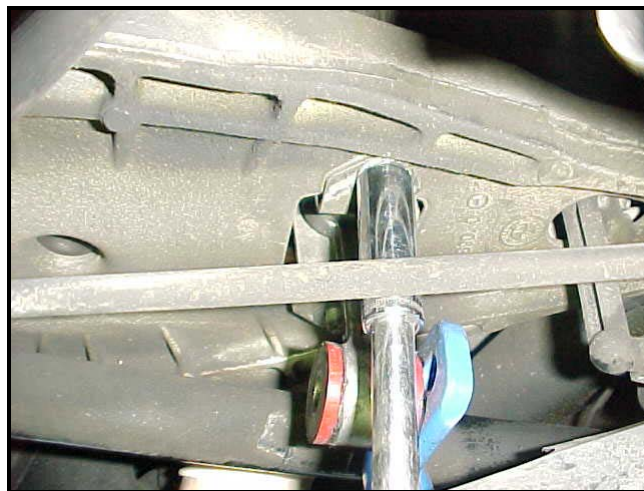
- 9) Reinstall Hotchkis bar in the same manner as stock removal.



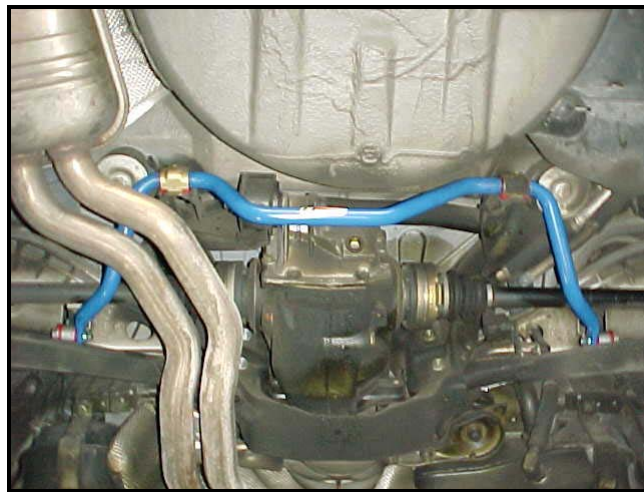
- 10) Install the sub-frame mounts using the original hardware. Fully tighten all nuts & bolts.



- 11) Install end links back onto the upper control arms



- 12) Use the new hardware to attach the end link to the sway bar. See below. The rear sway bar stiffness is 2-way adjustable. The hole closest to the end of the bar is the softest of the 2 settings.



You are now finished with the rear sway bar installation! Make sure that all hardware is fully tightened before driving the vehicle. Enjoy your new Hotchkis sway bar set!

Anti-roll bar Set 22817
BMW Z4

	Hotchkis P/N	Item Description	Quantity
1	22810253	Front Anti-Roll Bar	1
2	22910253	Rear Anti-Roll Bar	1
3	5343G	Front Bushing	2
4	21910253	Rear Bushing	2
5	15.12.06.39	Front Saddle Bracket	2
6	23410198	Spacer Plate	2
7	21410253	End link Bushing	4
8	16410253	Bushing Sleeve	2
9	1745	Hardware Kit	1
10	9.11108	Grease Pack	1



Hotchkis Performance LLC Return Policy & Limited Warranty

Effective January 1, 2009 all Hotchkis products must be registered to qualify for warranty at www.hotchkis.net or via the mail-in warranty card, included with the product, within 30 days of the original purchase date.

Return Policy

We want you to be completely satisfied with your Hotchkis Performance product. For products, presenting signs of shipping damage please contact the freight carrier immediately. All our products are guaranteed to be free from manufacturer's defects. If your order arrives with a manufacture defect, 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. 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 offers a Limited Warranty against defects in materials and workmanship of its products. 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 excluding the cost of freight. **Products must be registered to qualify for warranty at www.hotchkis.net or via the mail-in warranty card, included with the product, within 30 days of the original purchase date.**

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 including, but not limited to bushings, brackets, end-links, hardware, steering components, shocks or springs. 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:

- Did you register the product at www.hotchkis.net or via the mail-in warranty card within 30 days of purchase?
- 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?
- 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. If the warranty claim is deemed valid then Hotchkis will estimate shipping costs to return the repaired or replacement part and contact you for payment. Hotchkis's Limited warranty requires that any repaired or replaced product will be returned to the sender excluding the cost of freight. Warranty related inquiries 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. Any repaired or replaced product will be returned to the sender.

Effective January 1, 2009. 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.