

Sport Sway Bar Kit 22436 Mazda3 / MazdaSpeed3

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Installation of Hotchkis Front Sway Bar

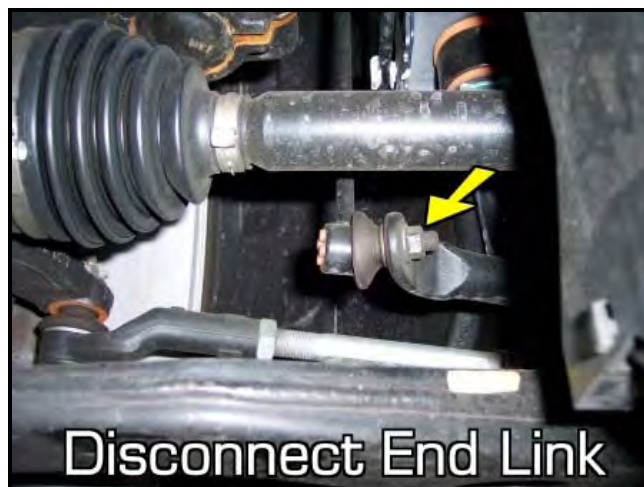
1F ***Raising Vehicle***

Raise front of the vehicle by using a 4 post lift or drive-on ramps. Securely block the rear wheels of the vehicle. Do not remove the front wheels during installation for safety.



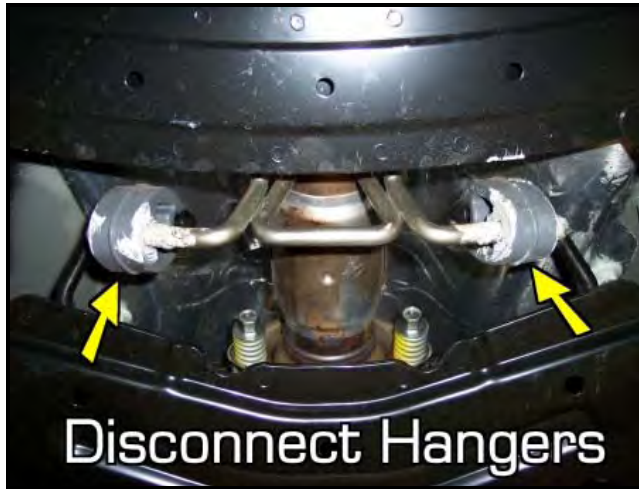
2F ***Detach End Links***

Loosen and remove the lower end link nuts from both sides, and push links aside.



3F ***Undo Exhaust Hangers***

Use a pry bar or similar tool to undo the exhaust hangers.



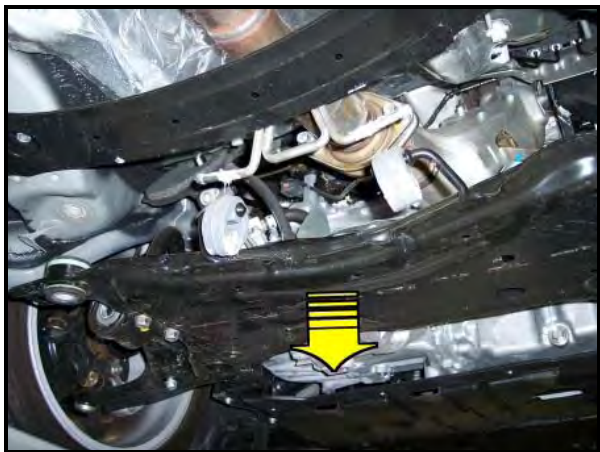
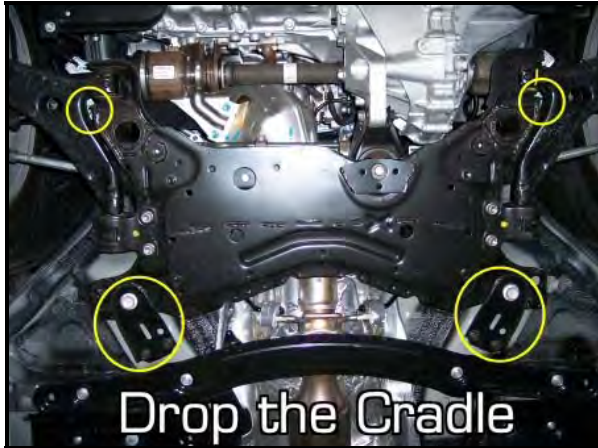
4F ***Disconnect Lower Engine Mount***

Locate and remove lower engine mount that attaches to subframe. Loosen and remove the bolt that attaches the mount to the engine.



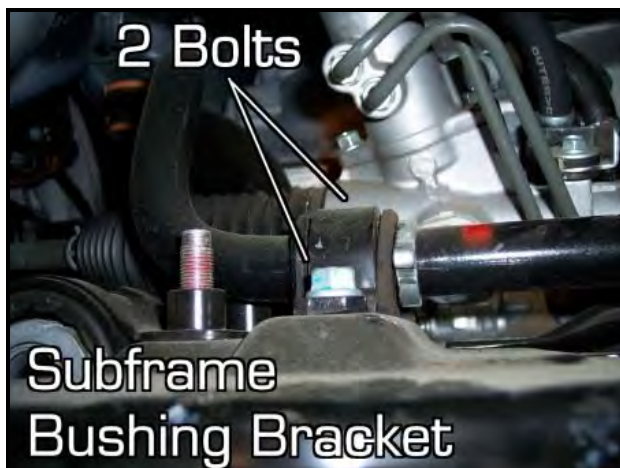
5F ***Drop the Subframe Cradle***

Loosen and remove the 4 subframe cradle bolts. The rear subframe mount has additional bolts, 2 per side. The cradle will not drop completely since it is still connected to the struts and steering rack, so you do not have to worry about it falling on top of you.



6F ***Undo the Sway Bar Bushing Bracket Bolts***

Loosen and remove the sway bar bushing bracket bolts. There are 2 per bracket. Once the bolts are removed, the bar should be loose from the vehicle.



7F ***Remove the Front Sway Bar***

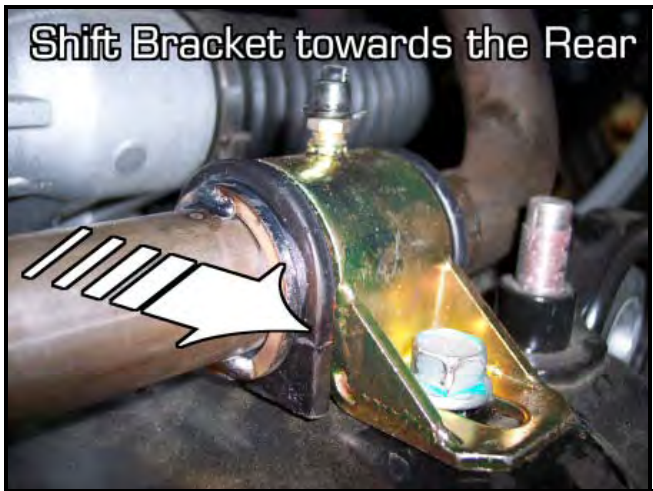
It's a tight fit between the subframe and the body, so it will take some patience removing the sway bar. To ease removal, take off the bushings from the bar. It also helps raising the front of the vehicle slightly to gain more clearance. You will notice the steering column seal on the firewall will pop out of position. This is normal and is also an indication that you should be able to get more movement out of the cradle to pull the bar out. Try to remember how the bar comes out, for this will be the same procedure getting the new Hotchkis bar in.



Continued to next page...

8F **Reinstall New Hotchkis Bar**

Repeat steps 1F through 7F in reverse order. Your new Hotchkis bar uses new bushings and brackets. The front bushing has a Ø1-1/8" hole. Use the supplied silicon grease to lube the inside surface of the bushings. Make sure to use thread lock compound on the subframe bushing bracket bolts and the end link nuts. **The bushing brackets are slotted, so make sure they are shifted towards the rear of the vehicle.** When reinstalling the subframe you will need to use a jack and a pry bar to align the mounting holes. Once the holes are aligned, start all 4 subframe cradle bolts by hand to avoid cross threading. Make sure the steering column seal is popped back into position. **Install the front end links onto the sway bar with the weight of the car on it's wheels. Do not install the end links while the suspension is in droop.**



Use bracket with the 90° grease fitting for the front. Fitting points out board. Straight fitting is shown in pictures for prototyping.



10F **Double Check Hardware**

Make sure all hardware is fully tightened before driving the vehicle. Let's move to the rear sway bar.

Installation of Hotchkis Rear Sway Bar

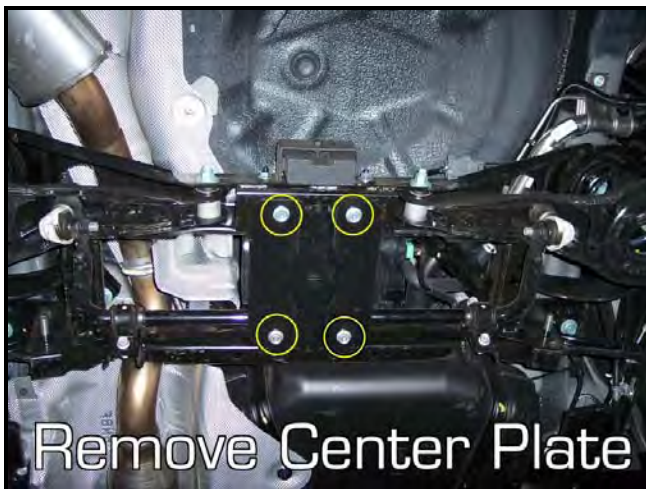
1R *Raising Car*

Removal of the rear sway bar should be done at ride height, so the vehicle must be raised by a flat alignment style rack, or place the rear of the vehicle on ramps and securely block the front wheels.



2R *Remove Center Plate*

Remove the center plate that resides just underneath the rear sway bar.



3R ***Detach End Links***

Loosen and remove the lower end link nuts from both sides, and push links aside.



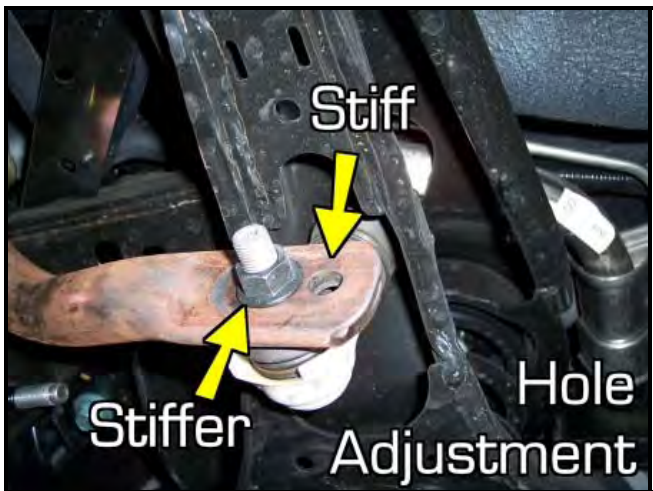
4R ***Undo the Sway Bar Bushing Bracket Bolts***

Loosen and remove the sway bar bushing bracket bolts. There are 2 per bracket. Once the bolts are removed, the bar should be loose from the vehicle.



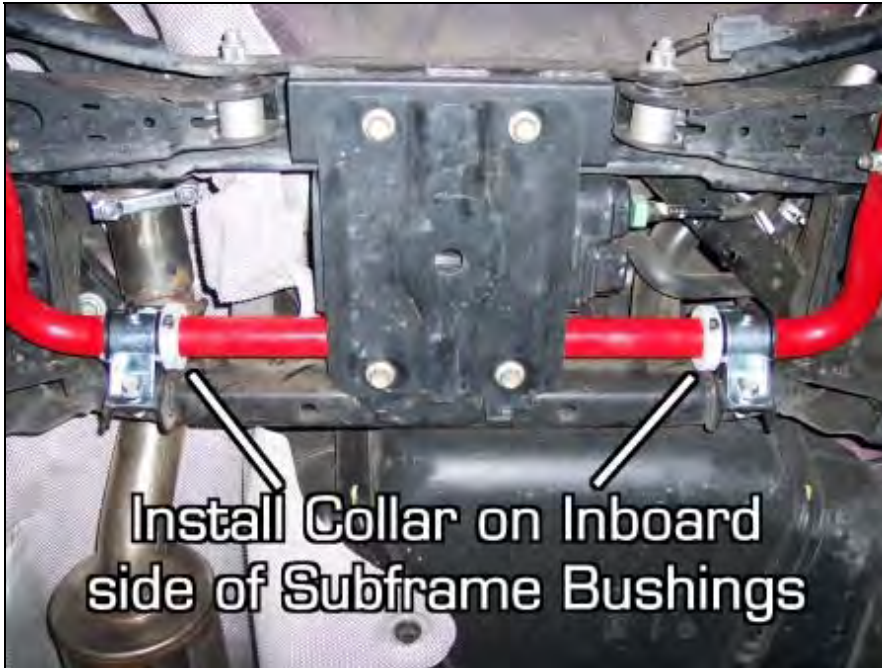
5R **Reinstall New Hotchkis Bar**

Repeat steps 1R through 4R in reverse order. Your new Hotchkis bar uses new bushings and brackets. The rear bushing has a $\text{Ø}1\text{-}1/4\text{'}$ hole. Use the supplied silicon grease to lube the inside surface of the bushings. Make sure to use thread lock compound on the subframe bushing bracket bolts and the end link nuts. When tightening the subframe bushing bracket bolts, make sure the center of the bar clears the center plate. There is some slop in the brackets provided, so you can raise the sway bar to gain proper clearance for the center plate.



6R ***Install Centering Collars***

To ensure the rear bar stays centered, Hotchkis provides split clamp-on collars. First, center the bar left to right so that the end links are at equal angles. Next, install the collars on the inside of the bushing edge. Make sure the collars are butted up against the bushings. Fully tighten the 2 socket bolts on each collar.



7R ***Double Check Hardware***

Make sure all hardware is fully tightened before driving the vehicle. You are done with the installation. The vehicle does not require an alignment after this installation.

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.