

***2010 Camaro SS/V6
20104 Underbody Brace
Installation Instructions***

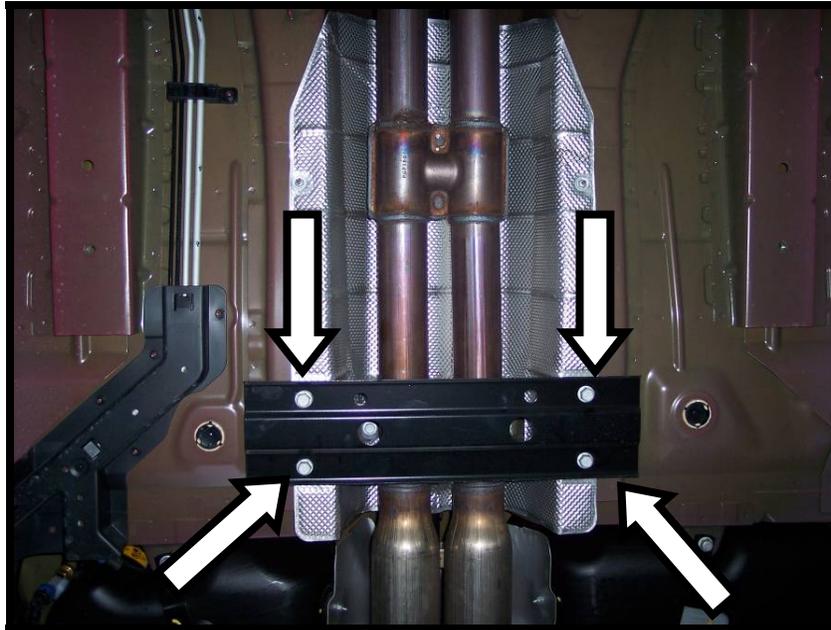


Thank you for your purchase of this Hotchkis Performance product. Your Underbody Brace set was designed with the performance and durability you've come to expect from Hotchkis Performance.

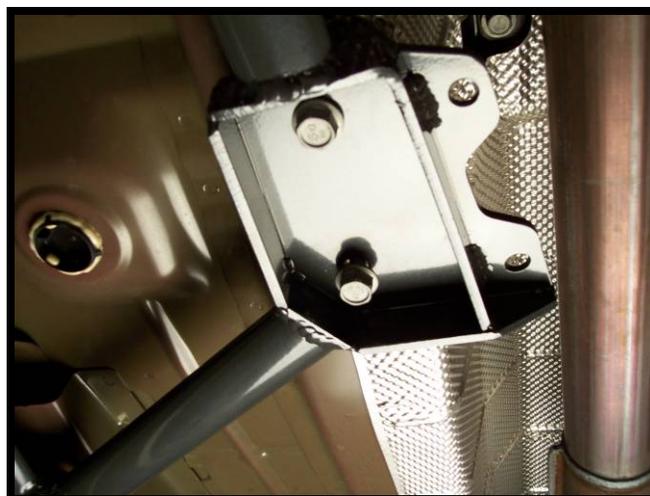
Note: Please read the entire installation instructions before starting. Having the right tools will ensure a smooth install process.

UNDER BODY BRACE INSTALLATION

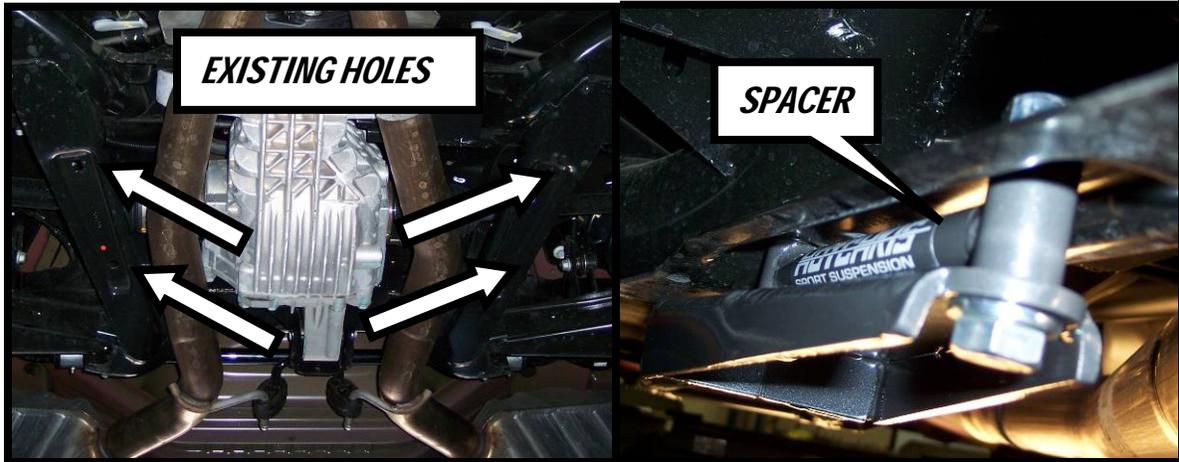
- 1. Safely raise the vehicle and Unbolt the stock center plate.**
*NOTE: This is the only stock part that needs to be removed before installation. These bolts **will** be used in the installation.*



- 2. Install either side of the under brace by first placing the center mounting bracket holes where the stock plate was removed from. Use the stock bolts and the included LARGE washers for this bracket.**
NOTE: Do not tighten these bolts yet. Just start the bolts in the holes so that the brace is supported. This will make it easier to bolt up the other brackets.



3. Now bolt the rear bracket onto the rear subframe using the holes that are already existing. Place the provided spacers between the frame and the brace as shown. Install the 12mm bolt from the bottom up and make sure to use the small washers on the head and nut ends.



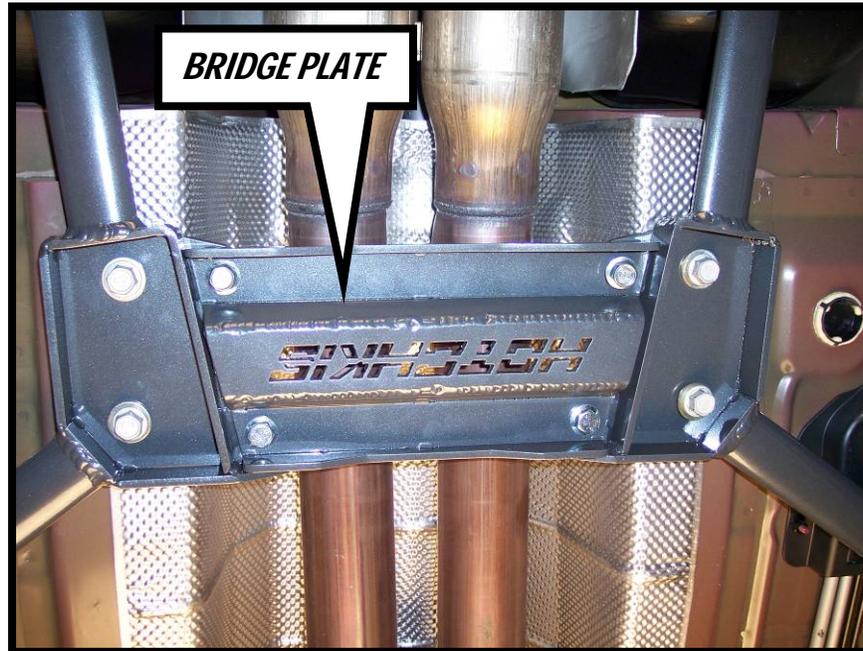
4. The Front bracket should now line up with its hole. Use the provided hex bolt and LARGE washer on that bracket.
NOTE: Remember, do not tighten any bolts yet. Only start each bolt.



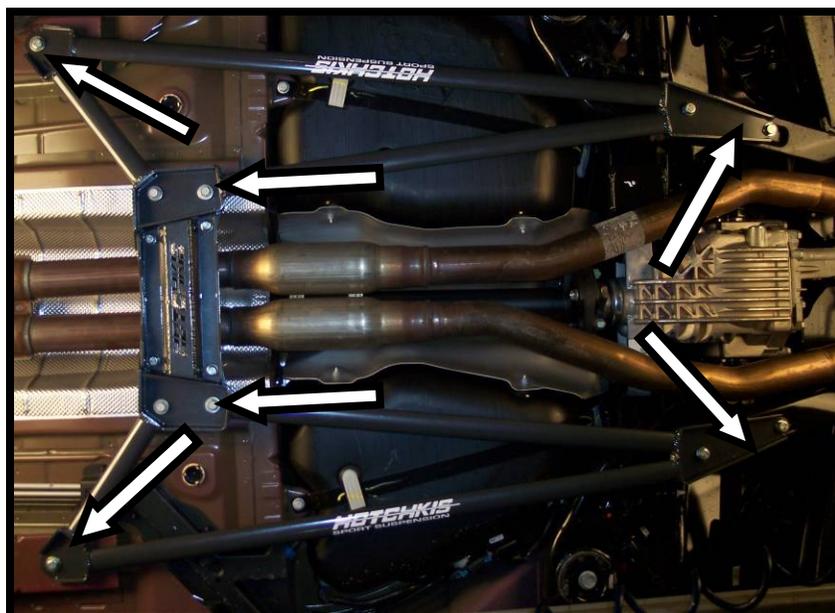
5. Now install the other side following the previous instructions.

6. Once both sides are in, bolt on the center bridge plate using the provided flange bolts. Install the 10mm flange bolt from the bottom up and make sure to use the lock washer on the nut side.

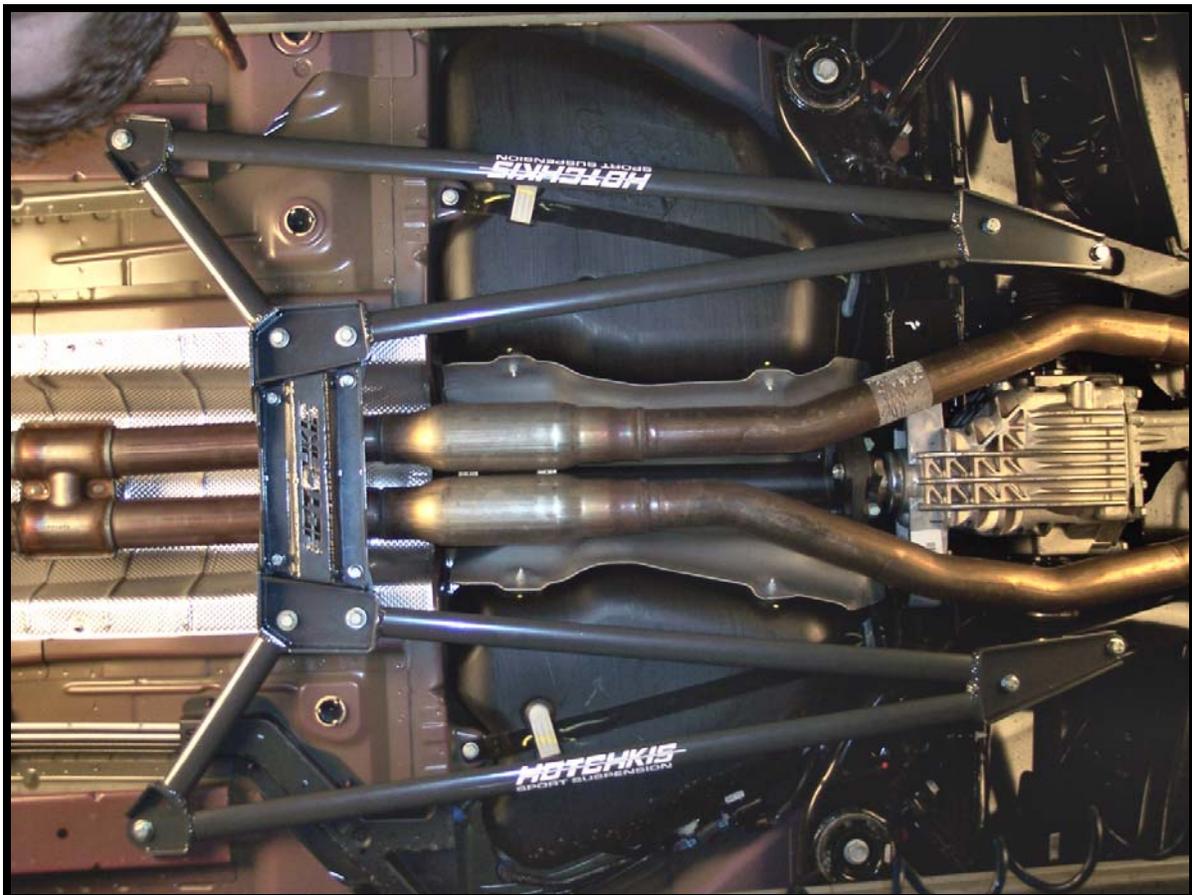
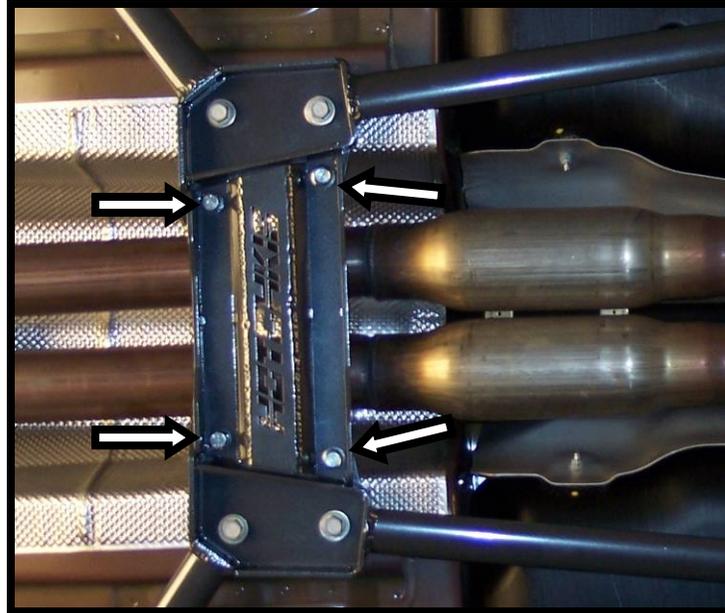
NOTE: Do not completely tighten the bolts yet.



7. Once everything has been bolted on, begin tightening the bolts on the outside main braces. Tighten M10 bolts to 50 ft-lbs and M12 bolts to 90 ft-lbs.



8. With the two main braces tight, now tighten the bridge plate and your under brace is ready for the road. Tighten bridge plate bolts to 50 ft-lbs.



2010 Camaro SS 20109 Strut Brace Installation Instructions



Thank you for your purchase of this Hotchkis Performance product. Your Strut Brace set was designed with the performance and durability you've come to expect from Hotchkis Performance.

Note: Please read the entire installation instructions before starting. Having the right tools will ensure a smooth install process.

Supercharger Note:

If you have the Magnuson supercharger (Magna Charger) installed on your vehicle, you will need to relocate the intercooler reservoir tank using the included Hotchkis bracket.



The hotchkis bracket resembles the Magnuson bracket, but it positions the reservoir down and towards the rear to gain clearance for the brace. Reuse the bracket hardware from the Magnacharger kit. Undo the 3 bolts holding the reservoir to the bracket. Remove the single nut that holds the bracket to the engine. Replace Magnuson bracket with Hotchkis bracket. Reuse the nut to secure the bracket to the engine. Reuse 2 of the 3 bolts that hold the reservoir to the bracket. Proceed to the strut brace installation.

STRUT BRACE INSTALLATION

1. The first step for this installation is to remove the front struts to gain more room to drill our strut brace mounting holes. There are 4 holes total that will be drilled.

Jack the front of the car up and place the car on jack stands. Remove the front wheels.

2. Unbolt the brake line tab from the strut.



***BRAKE LINE
BRACKET***

3. Remove the ABS line from the bracket.



ABS BRACKET

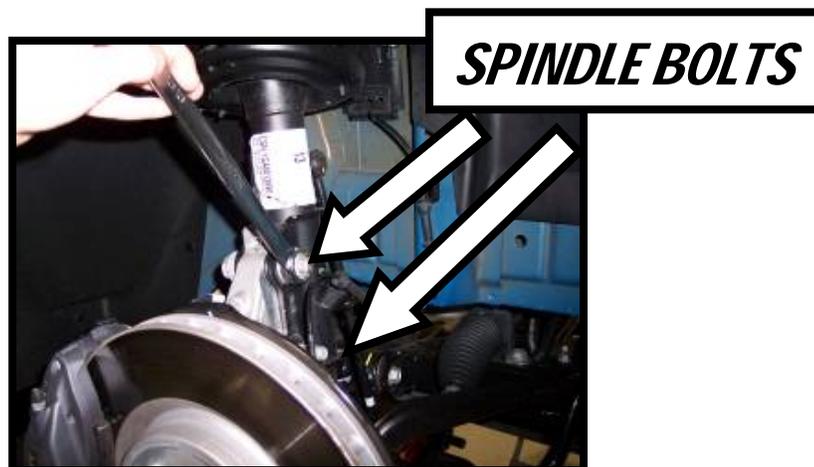
4. Unbolt the sway bar link from the strut.



5. Loosen the nut on top of the strut underneath the hood.
NOTE: Do not completely remove the nut. Loosen until it can be later removed by hand. This will make it easiest to remove the strut.



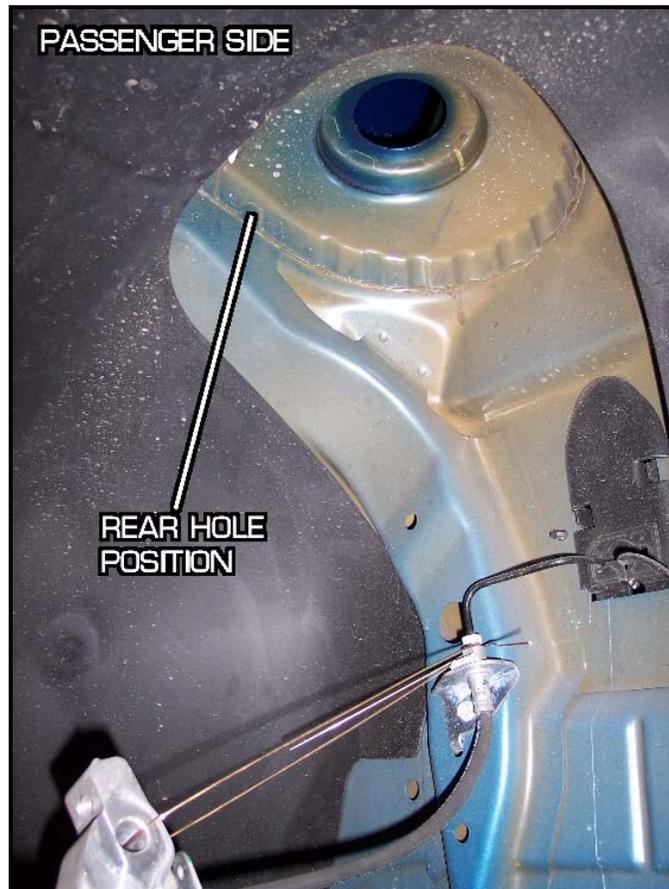
6. Mark the strut where the upright nuts are located with a marker. Remove the bolts that hold the spindle to the strut.



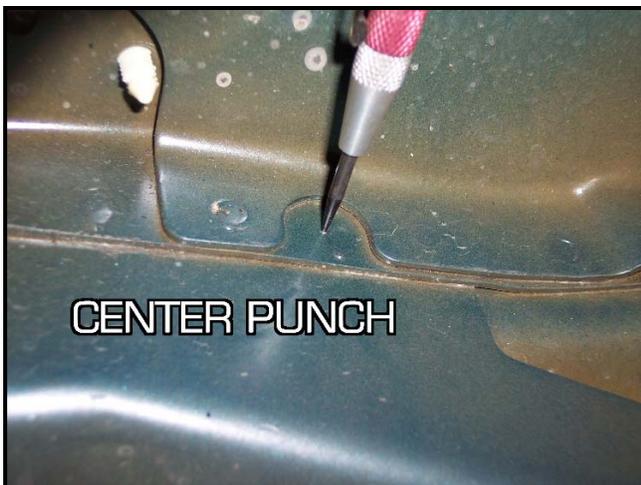
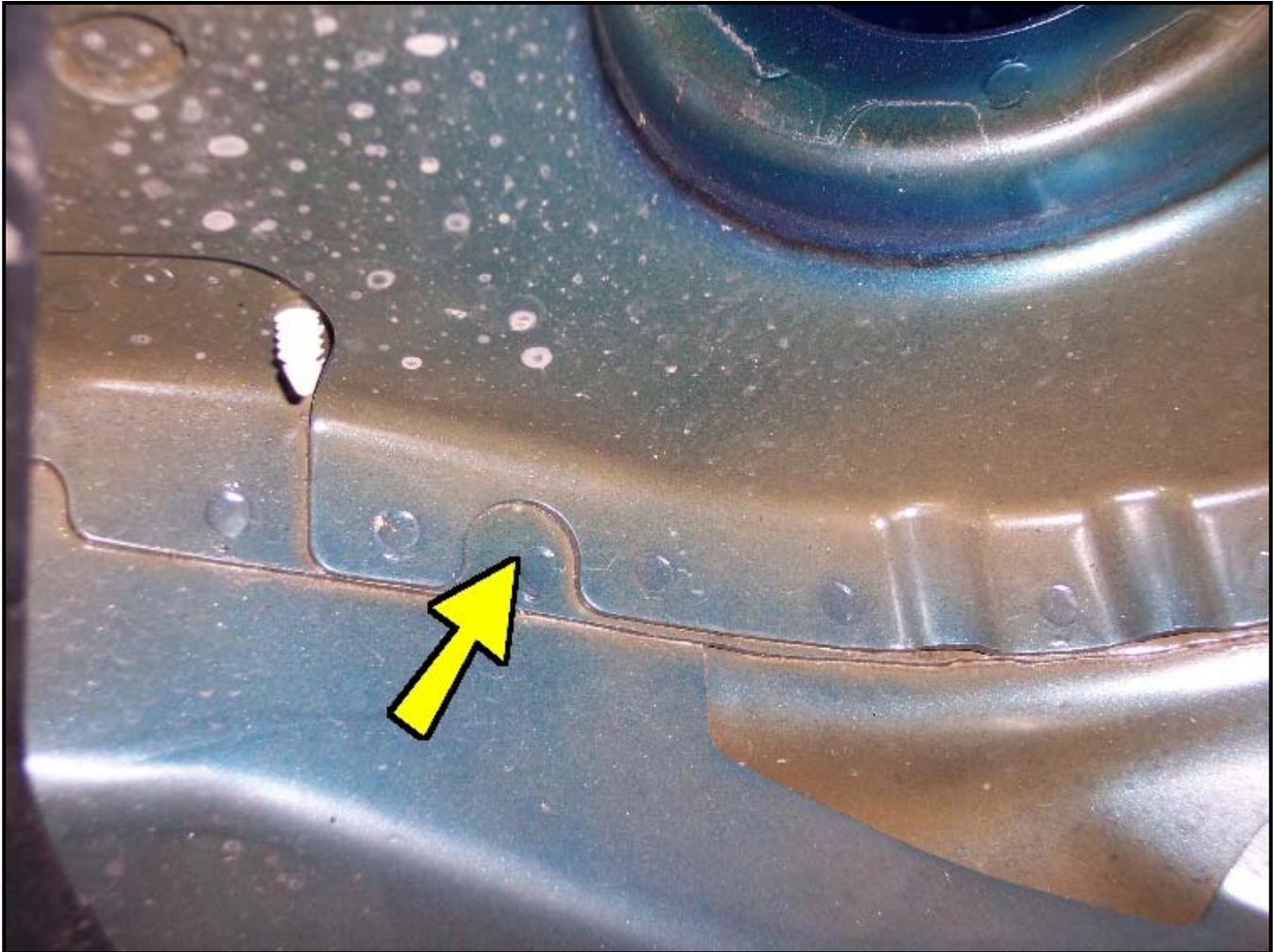
7. Now while supporting the strut with one hand, remove the nut on top and lower the strut. Use a bungee cord or wire to hold the upright close to the chassis. This will ensure the suspension does not hang too low putting tension on the brake hose.

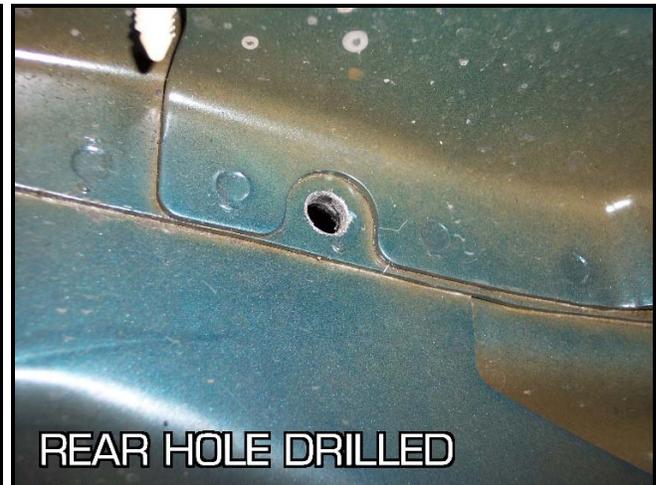


8. Peek underneath the strut tower apron. The first holes you will be drilling are the rear holes located in the pictures below.

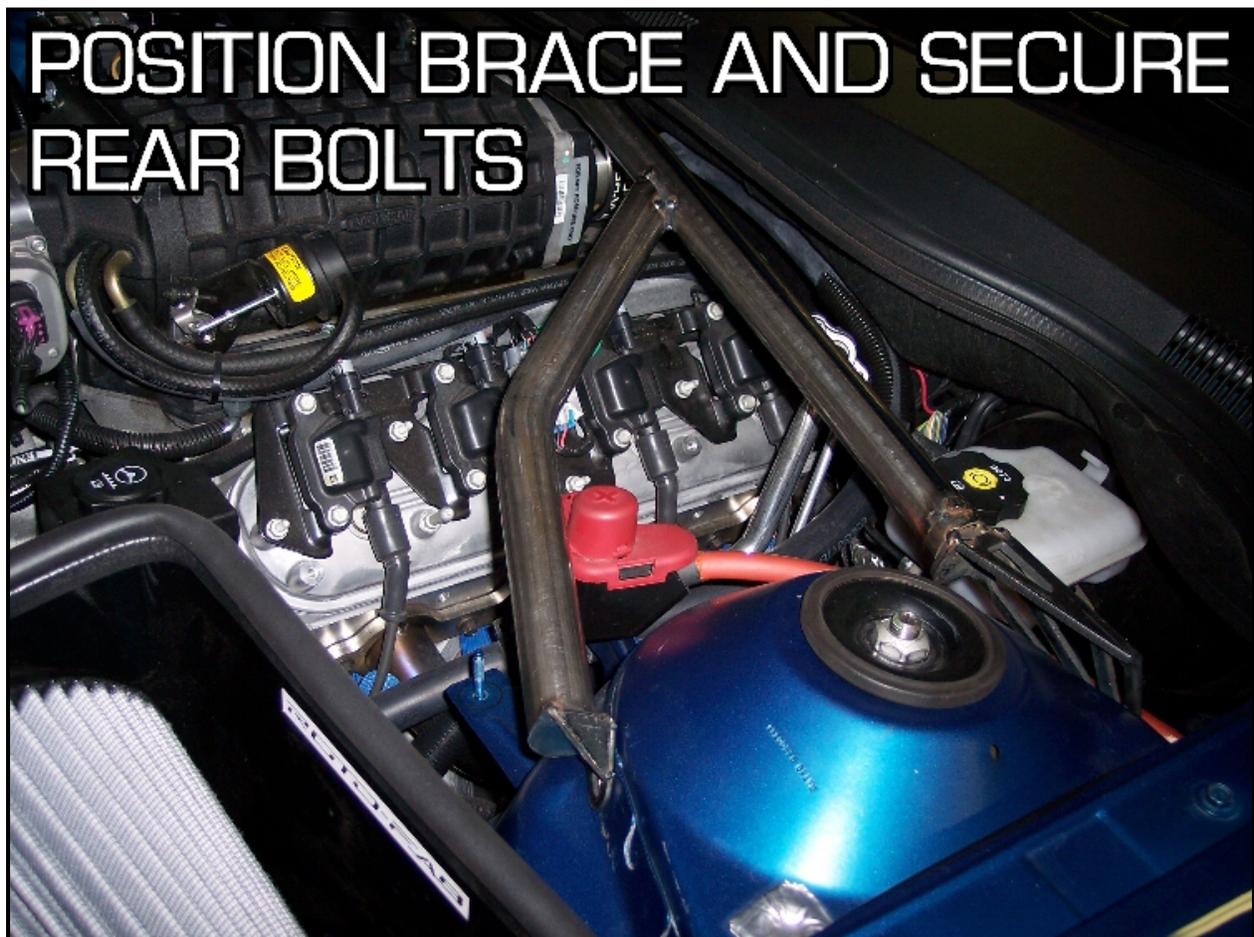


- Center punch the center of the semicircle shaped seam. Drill a pilot hole with a 1/16" or 1/8" drill bit. Then drill the hole out with a 3/8" drill bit.

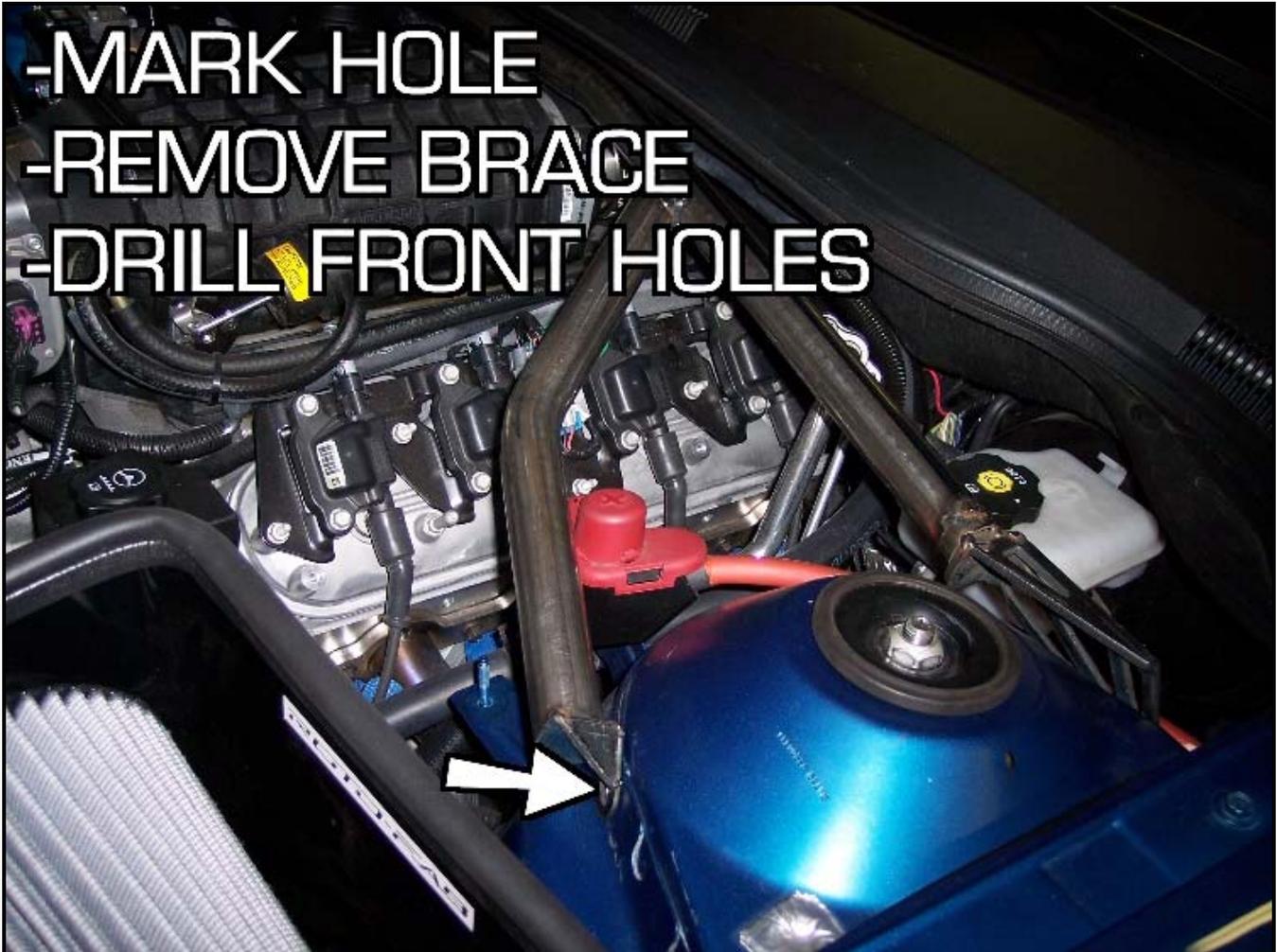




10. Once the rear holes are drilled out on the both sides, Position the strut brace in the engine bay. Install the longer rear bolts through the holes you just drilled and through the rear bracket of the brace. Spin the nuts on, but do not tighten. The front mounts will sit in front of the strut towers.



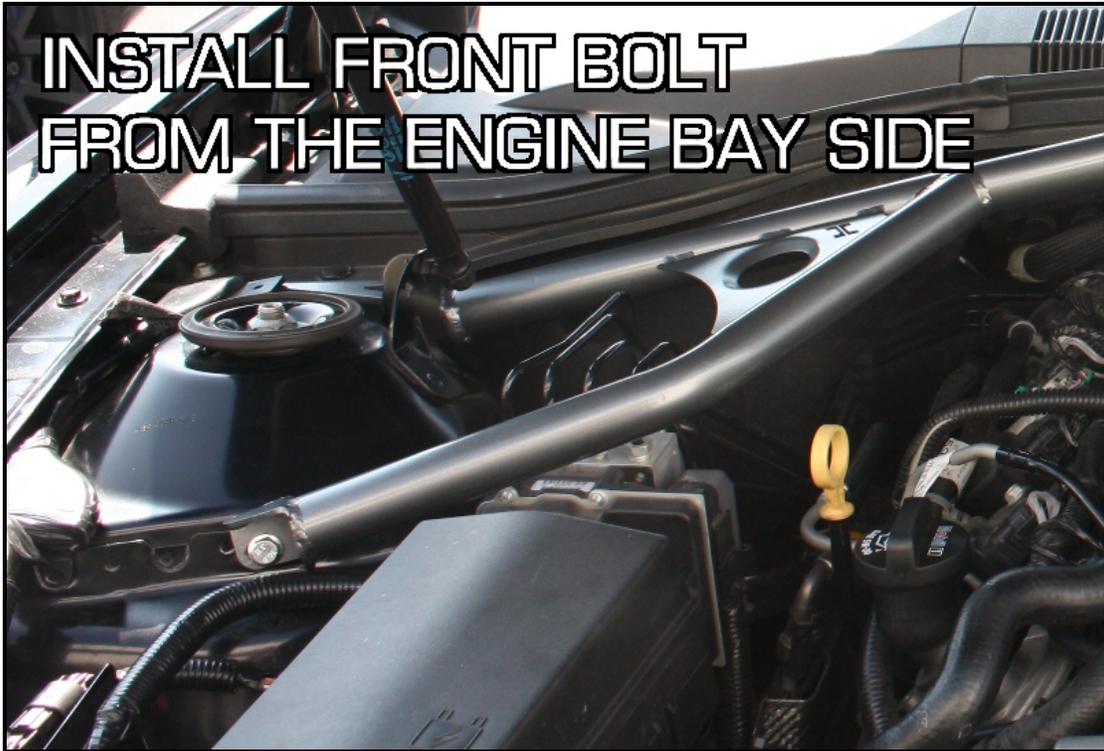
11. With the strut brace in place you can now mark the front holes with a marker. Mark the center of the front bracket slot on each side. Remove the strut brace from the vehicle.



12. Drill the front holes in the same manner as the rear holes. Start with a 1/16" or 1/8" pilot hole and finish it off with a 3/8" hole. These holes can be drilled from the engine bay side.

13. Reinstall the strut brace on the vehicle and insert the longer bolts from the bottom of the strut tower through the rear holes. The shorter bolts are for the front and can be inserted from the front. Use the lock washer on the nut side of the fasteners.







14. Reinstall the front struts in reverse order and you are finished with your installation.

Sport Sway Bar Kit 22109 2010 Chevy Camaro



*Thank you for your purchase from our new line of Chevy parts.
Please call us at 877 - 4NO - ROLL if you have any questions
regarding the service or installation of your Hotchkis Performance products.*

**IMPORTANT: PLEASE READ THE ENTIRE INSTRUCTION MANUAL BEFORE
STARTING THIS INSTALLATION.**

Front Sway Bar Installation

1F *Raise the Vehicle*

Raise front of the vehicle using a floor jack and place jack stands in the proper jacking points. Securely block the rear wheels of the vehicle.



2F *Remove the Driver Side Front Wheel*

The front bar will sneak it's way out towards the driver side. Remove the driver side front wheel to gain more clearance for installation.



3F *Disconnect the Front End Links*

Disconnect the front end links from the sway bar ends on each side.

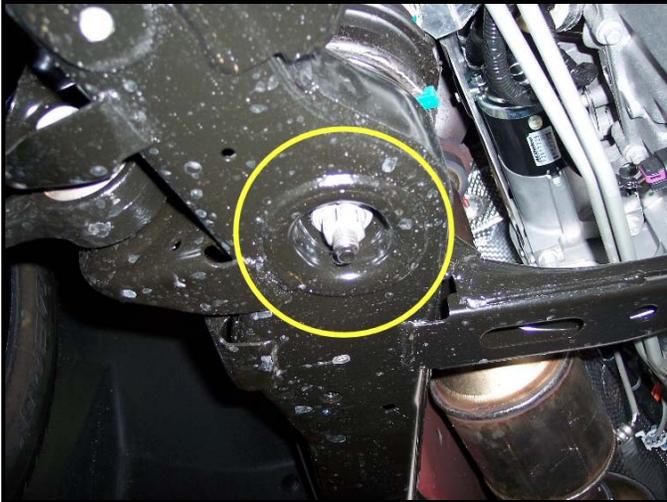


4F *Detach the Sway Bar Bushing Brackets*

Just above the front subframe, the sway bar is attached by 2 bushing brackets, one on each side. Undo the 2 nuts per bracket to detach the sway bar from the subframe.

5F *Raise the Engine*

You will need more room to get the sway bar out from between the subframe and the engine. To do this, unbolt the 2 motor mounts attached to the subframe and jack the engine up. Make sure to use a block of wood between the jack and the engine to avoid damage.



6F *Remove Stock Bar*

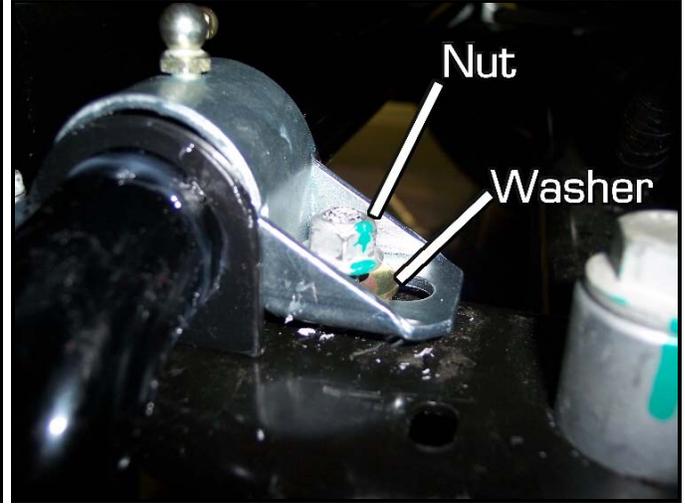
Fish the stock bar towards the driver side until it's completely out. If you need more clearance, carefully raise the engine more until the bar can be removed.



7F *Reinstall the Hotchkis Sway Bar*

Reinstall the Hotchkis Sway Bar in the same manner as stock removal. Your kit comes with new bushings and brackets. Apply the provided silicone grease in the inside area of each bushing. Install the bushings onto the bar. When reinstalling the stock bushing bracket nuts, please use the provided washers from your hardware kit. You should use one washer for each nut totaling 4 for the front installation. Apply a small amount of lock threading compound (included in your kit) on each nut. Make sure to use the brackets that have the 90° grease fitting attached. You may choose to point the fitting towards the outside or inside depending on which direction is easiest for you to regrease in the future.





8F *Reinstall the End Links*

Lower the engine down and fully tighten the motor mount nuts completely. Insert the end links back into the sway bar ends and fully tighten the nuts using the supplied lock threading compound.



9F *Final Inspection*

Before lowering the front end back onto the ground, make sure all hardware is fully tightened. You are finished with the front Hotchkis Sway Bar installation. Let's move on to the rear bar.

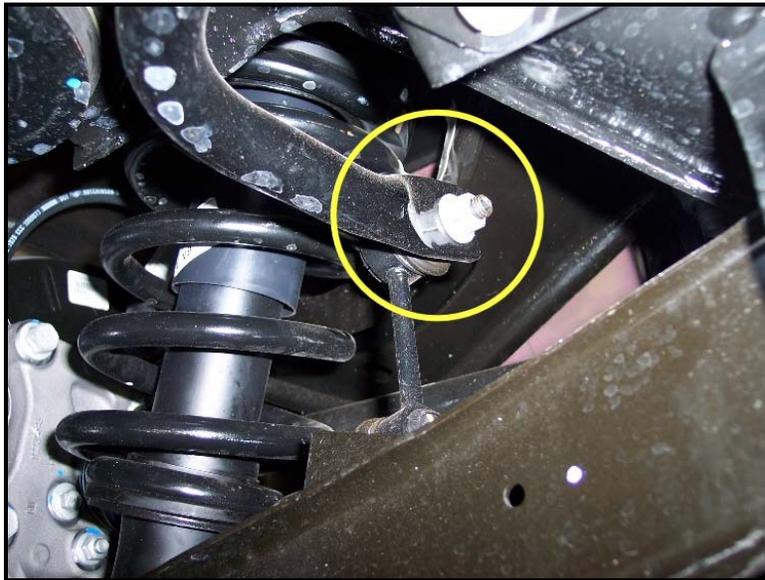
Rear Sway Bar Installation

1R *Raise the Vehicle*

Raise rear of the vehicle by driving the rear of the vehicle onto floor ramps. You may use floor jacks to jack up the rear of the car, but the installation is easier with the suspension at ride height. Once the rear of the vehicle is accessible, securely block the front wheels of the vehicle.

2R *Disconnect the Rear End Links*

Disconnect the rear end links from the sway bar ends on each side.



3R *Detach the Sway Bar Bushing Brackets*

The sway bar is attached by 2 bushing brackets, one on each side. Undo the 2 bolts per bracket to detach the sway bar from the subframe. The bar should be loose from the vehicle. There is enough room to fish the bar completely out without dropping the exhaust.



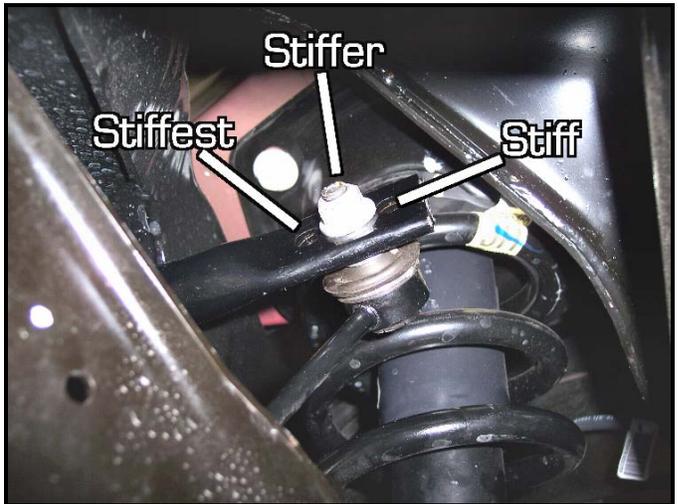
4R *Reinstall the Hotchkis Sway Bar*

Reinstall the Hotchkis Sway Bar in the same manner as stock removal. Your kit comes with new bushings and brackets. Apply the provided silicone grease in the inside area of each bushing. Install the bushings onto the bar. When reinstalling the stock bushing bracket nuts, please use the provided washers from your hardware kit. You should use one washer for each bolt totaling 4 for the rear installation. Apply a small amount of lock threading compound (included in your kit) on each bolt. Make sure to use the brackets that have the straight grease fitting attached. Fully tighten the bracket hardware.



5R *Reinstall the End Links*

Insert the end links back into the sway bar ends and fully tighten the nuts using the supplied lock threading compound.



6R *Final Inspection*

Before lowering the rear end back onto the ground, make sure all hardware is fully tightened. You are finished with the Rear Hotchkis Sway Bar installation. Enjoy your new Sway Bar set.

Hotchkis Performance LLC Return Policy & Limited Warranty

Effective December 1, 2010 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.

IMPORTANT: This warranty supersedes all other warranties included with this product.

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 for the term of 36 months (3 years) from the date of purchase of this product. 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?
- 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. 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
8633 Sorensen Avenue
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 December 1, 2010. 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.

P/N# 25109
Sway Bar End Links
Installation Instructions



Thank you for your purchase of this Hotchkis Performance product. Your End Link set was designed with the performance and durability you've come to expect from Hotchkis Performance.

Note: Please read the entire installation instructions before starting. Having the right tools will ensure a smooth install process.

FRONT END LINK INSTALLATION

1. Raise the front end of the vehicle. Remove the front wheels.
2. Disconnect the OE end link from the sway bar ends. Retain the nut for reinstallation.

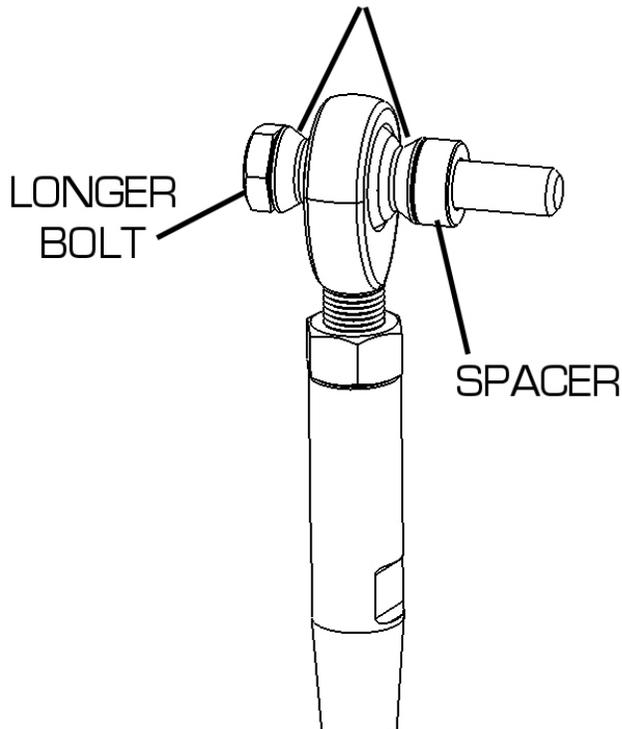


3. Disconnect the OE end link from the front struts. Retain the nut for reinstallation.



4. As a default setting, set the length of the Hotchkis links to the same length as the OE links.
5. Assemble the links as shown in the diagram. (Use the longer bolts for the front)

MISALIGNMENT SPACERS



6. Reinstall the Hotchkis end links onto the vehicle in the same manner as removal. Reuse the OE nuts.
7. Clock the rod ends (heim joints) so that there is proper articulation throughout the entire steering travel. You should be able to turn the steering wheel left or right (lock to lock) and the rod ends should not bind. Once the rod ends are properly clocked, tighten the jam nuts on each end.

REAR END LINK INSTALLATION

1. Raise the rear end of the vehicle to access the underside. You do not need to remove the wheels. If you have drive-on floor ramps the installation will be easier.
2. Disconnect the OE end link from the sway bar ends. Retain the nut for reinstallation.

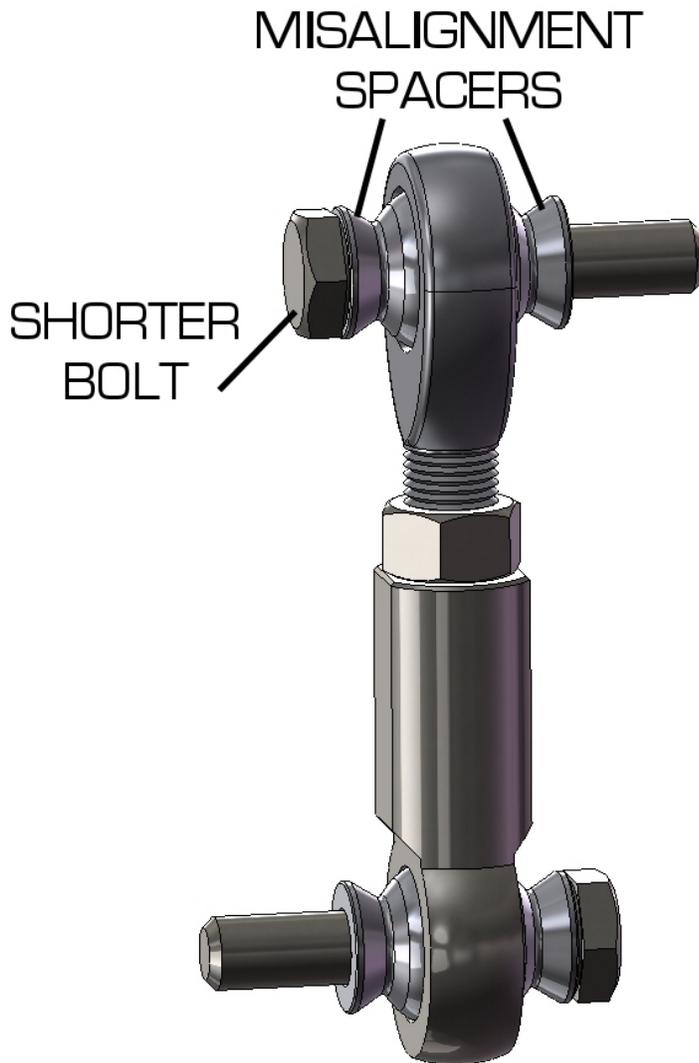


3. Disconnect the OE end link from the front struts. Retain the nut for reinstallation.



4. As a default setting, set the length of the Hotchkis links to the same length as the OE links. Tighten the jam nuts once the length is set.

5. Assemble the links as shown in the diagram. (Use the shorter bolts for the rear)



6. Reinstall the Hotchkis end links onto the vehicle in the same manner as removal. Reuse the OE nuts.