

P/N# 19110
Performance Lowering Springs
Installation Instructions



Thank you for your purchase of this Hotchkis Performance product. Your Lowering Spring 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.

LOWERING SPRINGS INSTALLATION
Front

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

2. Remove the brake line bracket.



*BRAKE LINE
BRACKET*

3. Remove the ABS line from the bracket.



ABS BRACKET

4. Unbolt the sway bar link and remove.

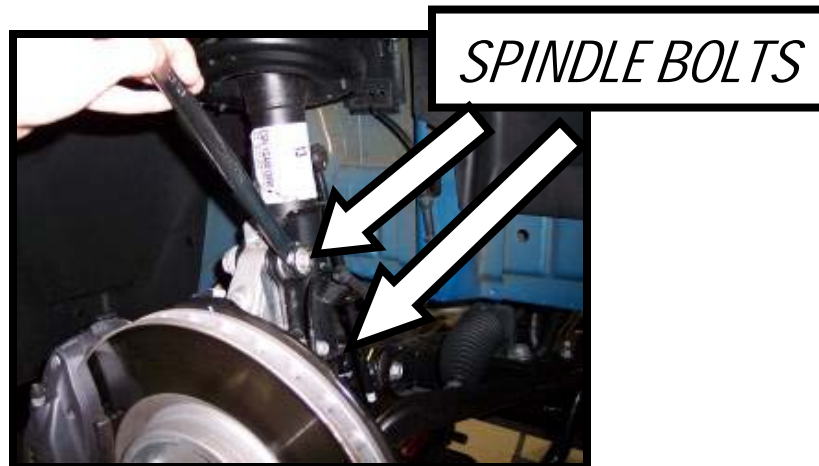


5. Loosen the nut on top of the strut underneath the hood.

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.



- Using a spring compressor, compress the spring and remove the upper spring cup nut.

NOTE: Use caution when working with a spring compressor!



9. Remove the stock springs.



10. Put in the new Hotchkis spring.

NOTE: Make sure the end of the spring is up against the stopper in the rubber spring isolator. If the spring is not seated properly you will not achieve the correct ride height.



OPTIONAL TIP: The lower rubber spring isolator is held in place with 3 small dowels that poke through the strut seat. The dowels barely keep the isolator clocked correctly under heavy turning load. To ensure the isolator stays in place, you can clean the surfaces between the lower rubber isolator and the strut seat with brake cleaner. Then apply a spray adhesive (3M 90) to those surfaces, let adhesive tack up, and re-install lower isolator. This basically keeps the rubber in place on the strut.

11. Place the strut back on the car and repeat on opposite side.

Special Note: If you have a Supercharger installed and require more ride height in the front. We do have a ½" strut spacer kit available. (p/n 38109)

Rear

1. Jack the rear of the car up and place the car on jack stands. Remove the rear wheels.
2. Mark the eccentric washers on the lower control arm bolts. This is to ensure they are in the same location when the installation is complete.



3. Loosen the lower control arm to frame connector bolt.
NOTE: Do not remove this bolt.



4. Unbolt the sway bar link.



5. Unbolt the lower strut bolt.



6. Remove the bolt that connects the lower control arm to the wheel hub assembly.



7. Drop the control arm down out of the way.
8. Remove the 4 bolts on the upper strut bracket. The strut is now free to remove.



- Using a spring compressor, compress the spring and remove the upper spring cup nut.

NOTE: Use caution when working with a spring compressor!



- Remove the stock springs.

- Put in the new Hotchkis spring.

NOTE: Make sure the end of the spring is up against the stopper in the top spring cup. If the spring is not seated properly you will not achieve the correct ride height.



12. Place the strut back on the car and repeat on opposite side.



13. Repeat the installation in the reverse order as removal. Make sure that the cam washer is lined up with the mark made in step 2. Your new Hotchkis Lowering Springs are now ready to go. Make sure to tighten the shock bolt and the inner lower control arm bolt once the weight of the car is on the wheels. This will avoid preloading the bushings causing the ride height to be higher.

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 inquires 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.**