

HOTCHKIS

SPORT SUSPENSION

19403 STREET COIL SET 2002-UP TOYOTA COROLLA

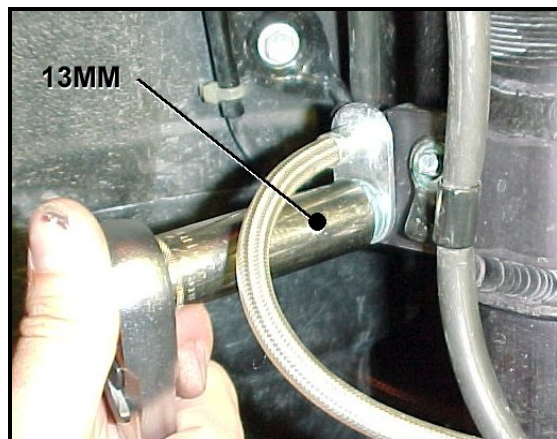
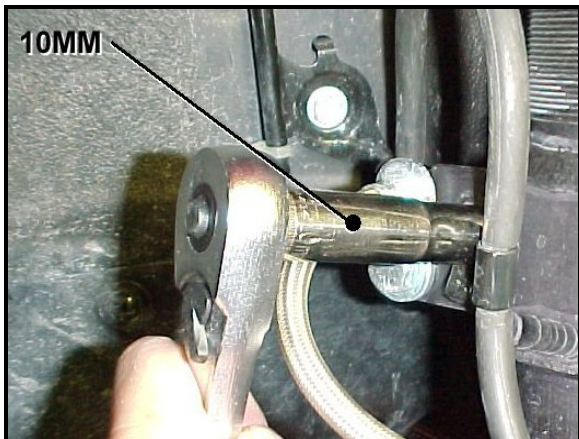


Thank you for your purchase from our line of Toyota Corolla parts.
Please call us at (877) 4NO-ROLL if you have any questions regarding the service or installation of your Hotchkis products. Visit us online @ www.hotchkis.net

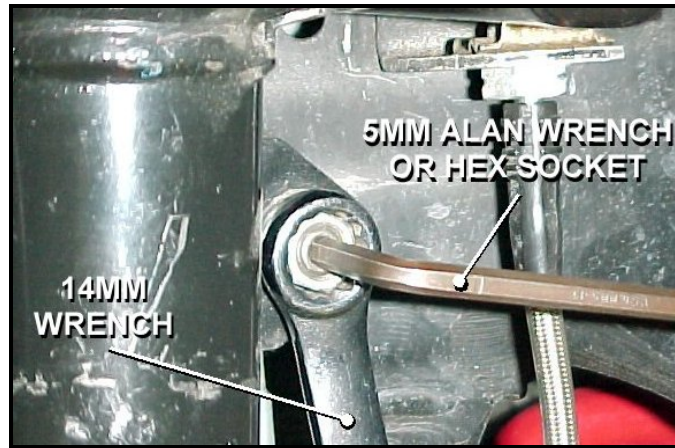
- This installation will require:
 - A coil spring compressor, jack stands, floor jack
 - The following wrenches or sockets: 10mm, 12mm, 13mm, 14mm, 20mm, 21mm
 - The following allen wrenches or hex sockets: 5mm
 - Torque wrench.

INSTALLATION OF FRONT COIL SPRINGS

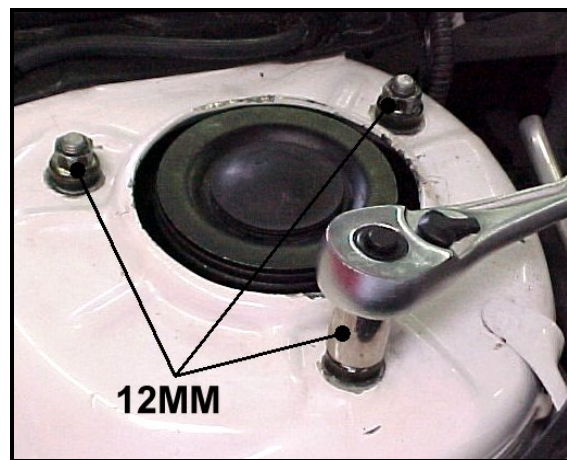
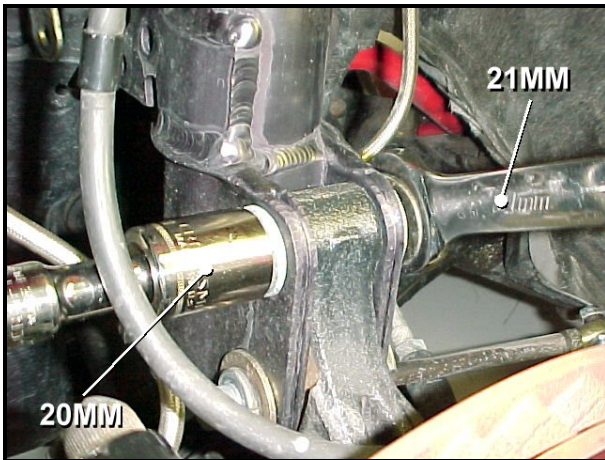
- 1) Securely block the rear wheels of the vehicle. Use a jack to raise the front end until the wheels are off the ground and use jack stands to support the vehicle. Remove the front wheels. From this point on it is suggested to work on one side at a time.
- 2) Use a 10mm and 13mm socket or wrench to remove the bolts holding the brake lines to the strut. Retain the hardware for re-installation later.



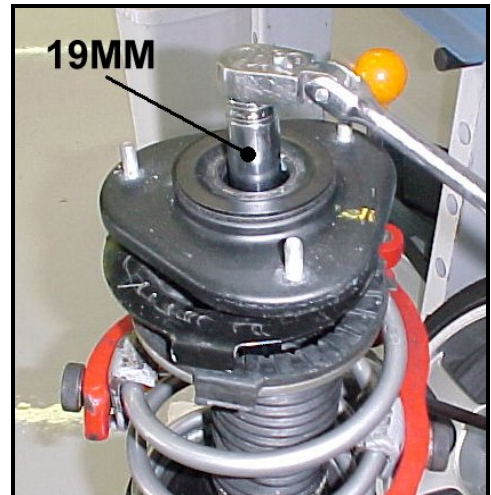
- 3) Use a 14mm wrench and a 5mm allen wrench or hex socket to remove the stock sway bar end link from the strut.



- 4) Use a 20mm wrench or socket for the bolt and a 21mm wrench or socket for the nut to loosen and remove the bottom strut bolts. Use a 12mm wrench or socket to remove the top three nuts holding the top of the strut in place. **Be careful not to drop the strut when unbolting it!**



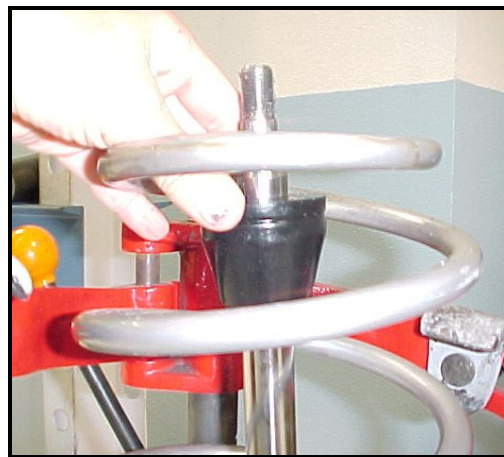
- 5) Remove the strut from the vehicle. Use a coil spring compressor (some major auto parts chains will rent these out) to compress the coil and take tension off the strut top. Remove the dust cover from the top to reveal the strut top retainer nut. Use a 19mm socket to remove the nut. Retain this hardware for re-assembly later.



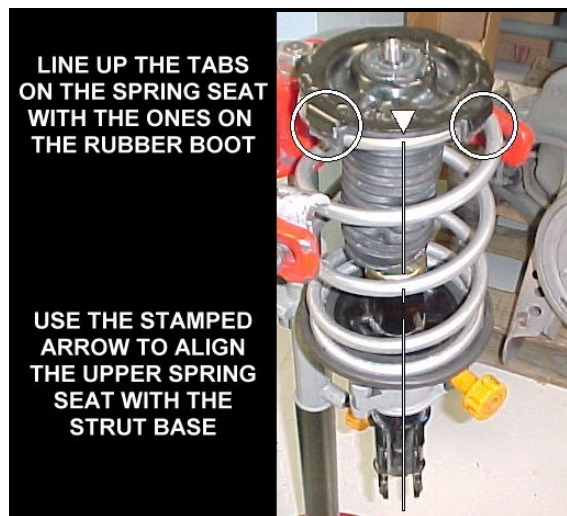
- 6) Remove the strut top bearing assembly, upper spring seat, rubber boot and stock bump stop from the strut. Gently release the spring compressor to free up the stock coil spring. Remove the stock spring.



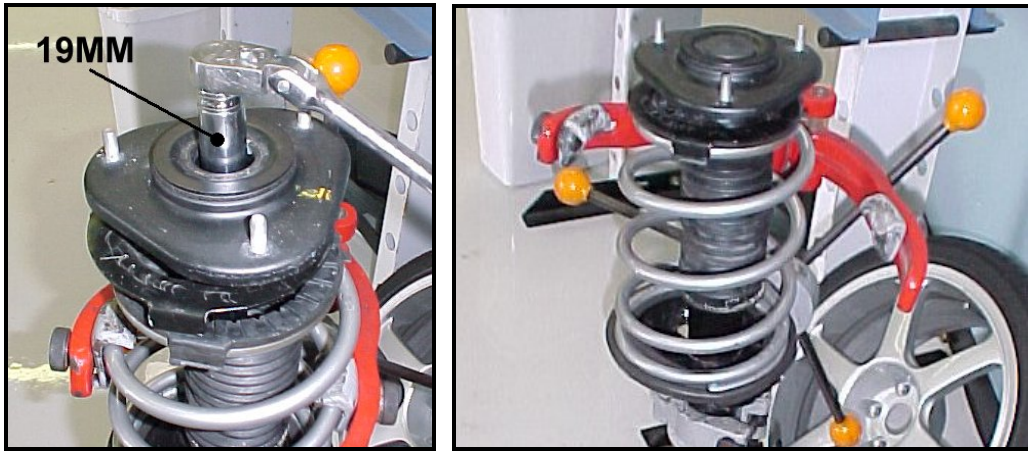
- 7) Place the Hotchkis coil over the strut and position the tail of the spring in the perch on the lower spring seat. Slide the new bump stop over the top of the strut and push it down past the “shelf” at the top of the strut.



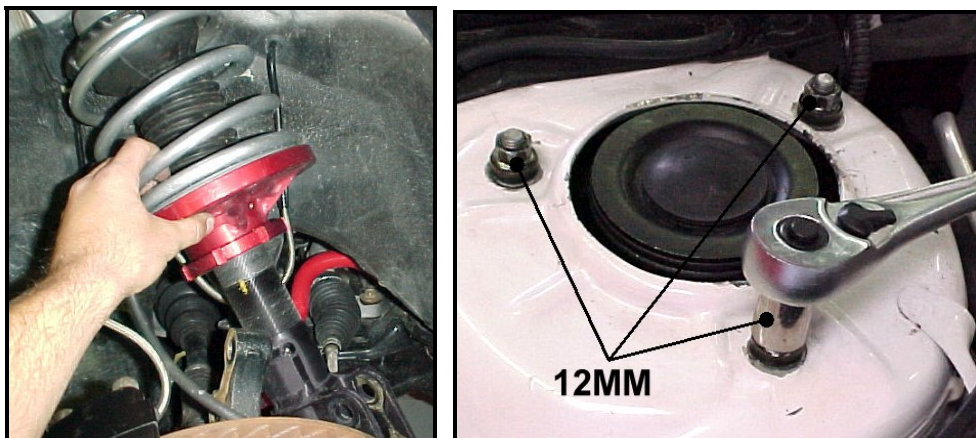
- 8) Replace the rubber boot over the top of the strut onto the spring. Drop the upper spring seat over the top of the strut. Make sure to align the stamped arrow between the mounting points on the base of the strut. The tabs on the rubber and the spring seat should also match.



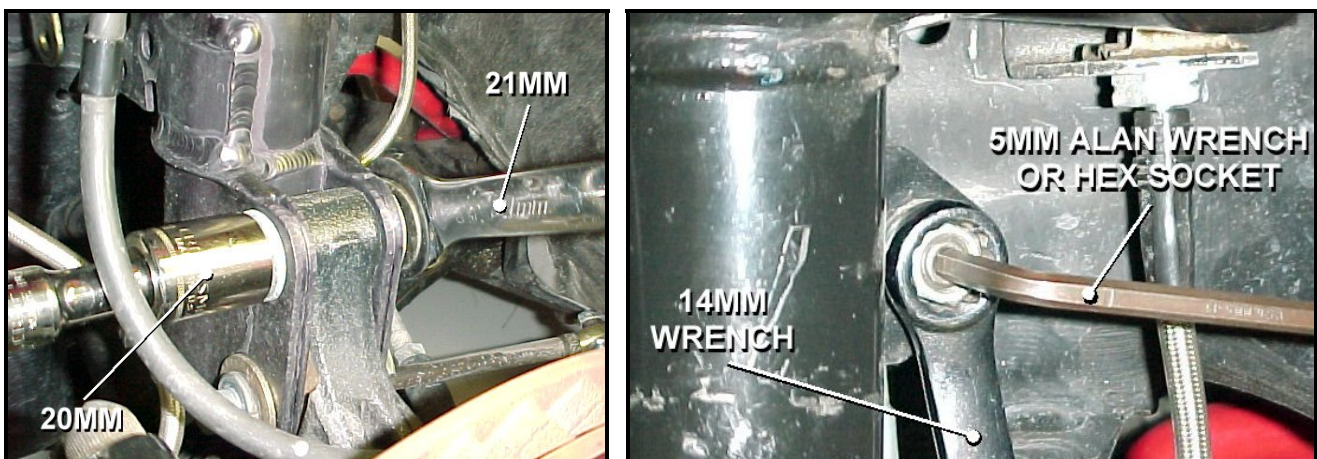
- 9) Place the upper strut mount over the top of the strut. **If you purchased Hotchkis camber plates for your vehicle, you should check the included instructions to install them before proceeding!** Use the stock strut retainer bolt to secure the assembly. Torque the top nut to 30ft/lbs. With the spring seat aligned properly, release the spring compressor slowly to make sure the spring seats properly. Don't forget to replace the small dust cover over the retainer nut!



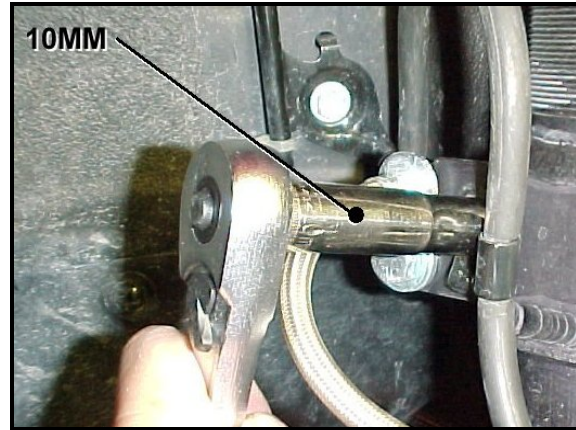
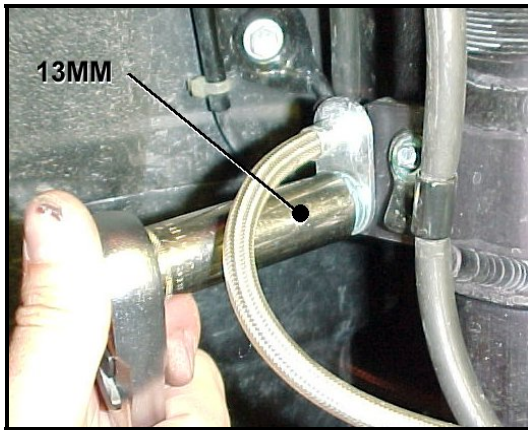
- 10) With the strut assembly complete you are now ready to re-install the strut. *Re-installation of the strut will be easier with one person holding the strut in place while another secures the top of the strut.* Lift the strut inside the fender well and push the strut top into the mounting holes. Use the stock retainer nuts to secure the strut into place. Torque the nuts to 30ft/lbs each.



- 11) Re-attach the strut to the spindle. Use the stock hardware with a 20mm and 21mm wrench or socket to torque the bolts to 80ft/lbs. Re-attach the sway bar end link using a 14mm wrench and a 5mm alan wrench or hex socket. Torque the end link hardware to 30ft/lbs.



- 12) Re-attach the brake line hardware using a 10mm and 13mm socket or wrench. Torque both bolts to 15ft/lbs.



- 13) Repeat steps 2-13 for the opposite side strut and recheck all hardware for tightness.
- 14) With both strut assemblies installed and all hardware tight you can put the front tires back on the vehicle. Use the jack to remove the jack stands and lower the front of the car. Move onto the rear spring installation.

- This installation will require:
 - A coil spring compressor, jack stands, floor jack.
 - The following wrenches or sockets: 17mm
 - The following allen wrenches or hex sockets: 6mm
 - Torque wrench.

INSTALLATION OF REAR COIL SPRINGS

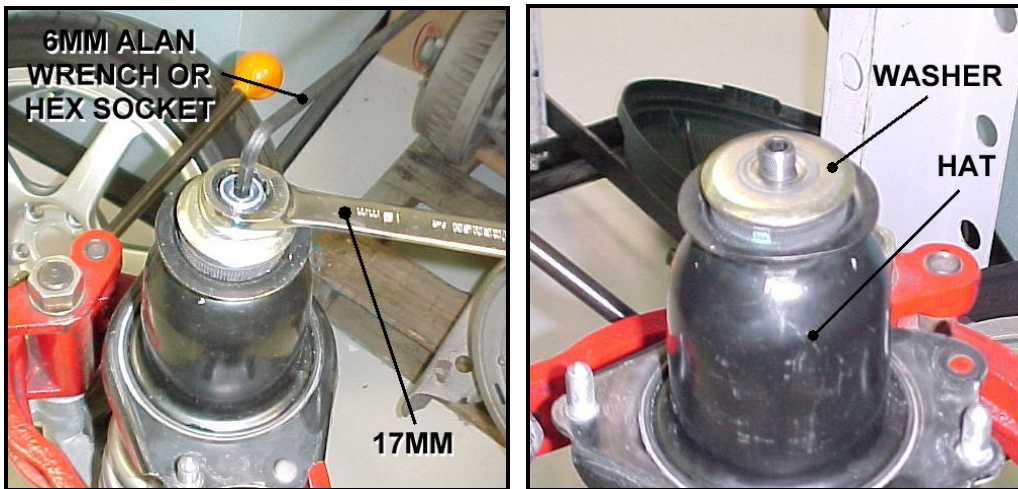
- 1) Begin by removing the trunk interior to gain access to the upper shock mounts in the rear.
- 2) Securely block the front wheels of the vehicle. Use a jack to raise the rear end until the wheels are off the ground and use jack stands to support the vehicle. Remove the rear wheels.
- 3) Loosen and remove the nut holding the bottom of the shock to the spindle.



- 4) Remove the 2 nuts and bolt that hold the top of the strut in the rear trunk area. This should allow the stock shock assembly to be removed.



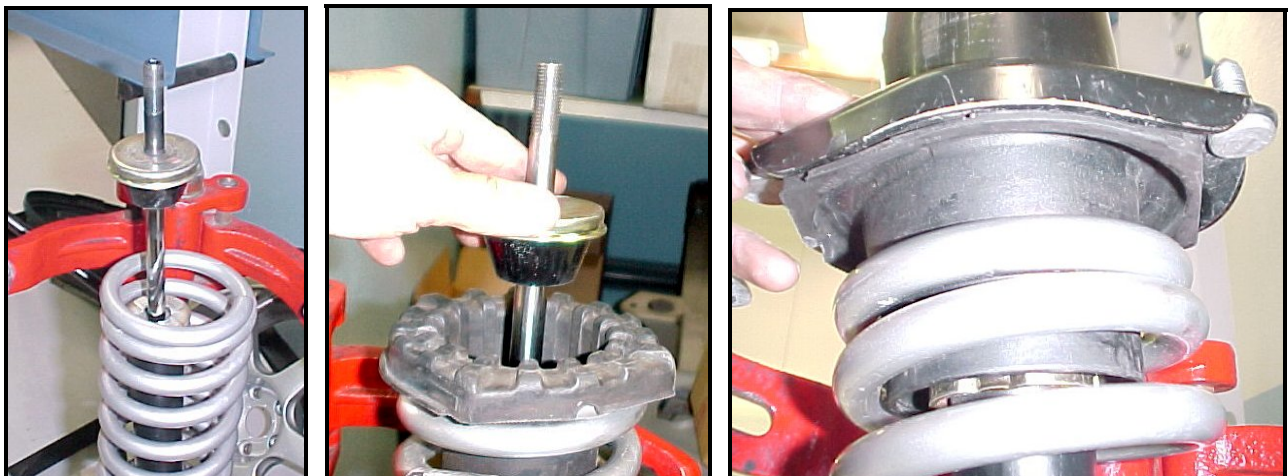
- 5) As with the front springs, place the shock assembly into the coil compressor to compress the spring. Use a 17mm wrench and a 6mm alan wrench to loosen and remove the strut top retainer bolt. You should be able to remove the top washer and hat now.



- 6) Remove the stock bump stop and rubber boot. Gently release the spring compressor to free up the stock coil spring. Remove the stock spring. Place the new bump stop over the top of the strut. Retain the metal cap from the stock bump stop.



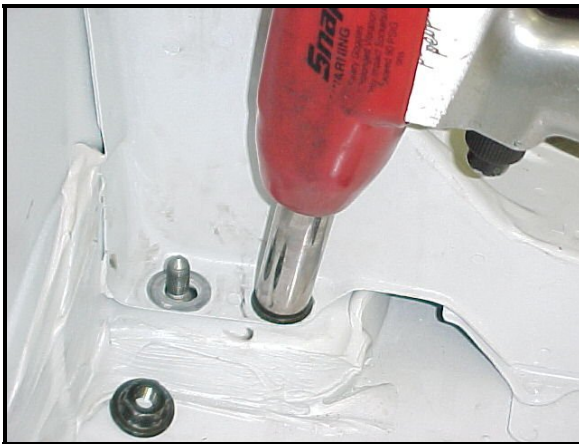
- 7) Place the new Hotchkis coil over the strut and align the tail of the coil on the lower perch. Replace the rubber boot over the top of the spring. The rubber boot should line up with the top end of the coil.



- 8) Compress the new coil. Replace the stock hat and washer over the rubber boot and strut top. Use a 17mm wrench and 6mm allen wrench to tighten the strut retainer nut. Torque the nut to 30ft/lbs. Gently release the spring from compression to make sure it seats properly. Re-install the strut.



- 9) *Re-installation of the shock will be easier with one person holding the shock in place while another secures the top of the strut.* Torque the upper strut retaining hardware to 30ft/lbs. Re-attach the shock to the spindle and torque the nut to 30ft/lbs.



- 10) Repeat steps 3-9 for the opposite strut. When both springs have been replaced and the shocks re-installed then re-check all hardware for tightness.
- 11) Replace the wheels on the rear and use a jack to remove the jack stands. With the car lowered you can finish the install by putting the trunk interior back into place. Congratulations, you're now finished installing your set of Hotchkis coil springs!



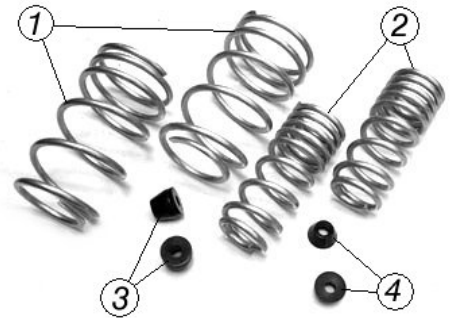
SEE NEXT PAGE FOR PARTS LIST

Corolla Street Coil set, Parts List
P/N 19403 (Corolla)

	Hotchkis P/N	Item Description	Quantity per kit
	19880092	Corolla Front Coil	2 per 19403
	19930219	Corolla Rear Coil	2 per 19403
	27810136	Corolla Front Bump Stop	2 per 19403
4	6201.01	Corolla Rear Bump Stop	2

Items Not Pictured at Right

5	n/a	Instruction Set	1
---	-----	-----------------	---



Upgraded sway bar kits!

Visit Hotchkis on the web at www.hotchkis.net or
Call (562) 907-7757 to order!



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.