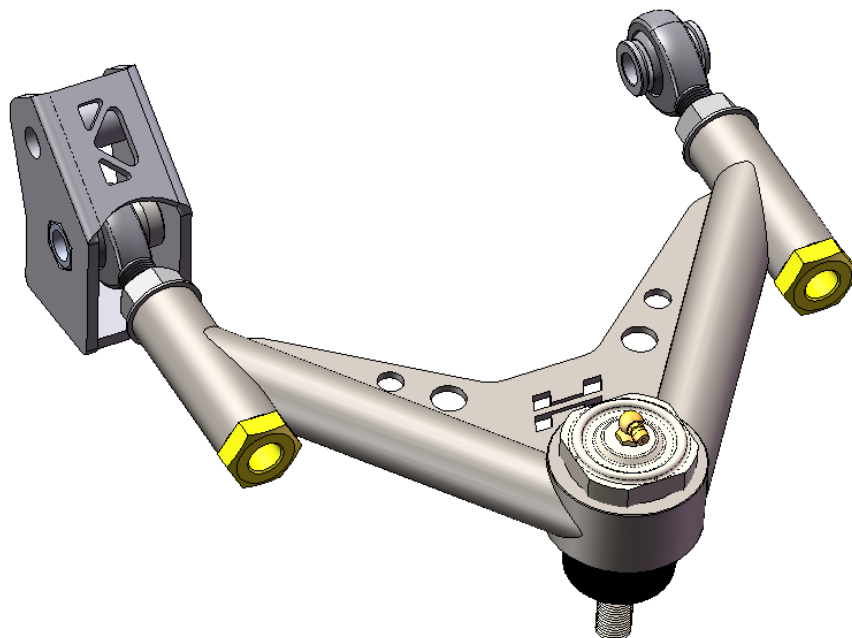


*P/N : 1110U-A  
Tubular Upper A-Arm  
1966-1970 Chrysler B-Body  
Charger, Super Bee, Road Runner, GTX  
1970-1974 Chrysler E-Body  
Cuda, Challenger*

Thank you for your purchase from our new line of B & E-Body parts.  
Please call us at (877) 4NO - ROLL if you have any questions  
Regarding the service or installation of your Hotchkis products.



Before You Start:

Please read the entire manual before starting. Most pictures shown are of the driver side a-arm. Please perform the same procedure for the passenger side. The majority of the pictures will depict the installation of the older style arm p/n 1110 which does not have the easy adjuster design.

1. Raise Vehicle

Raise the vehicle and put it up on jack stands. You may also use a 2-post or 4-post lift.



2. Remove Stock Arms

Remove the front wheels and uninstall the stock upper A-Arms.

3. A-Arm Relocator

Place the A-Arm Relocator into place as shown below. The Relocators are only installed on the forward mounting point. (NOTE: Picture is showing Passenger side)



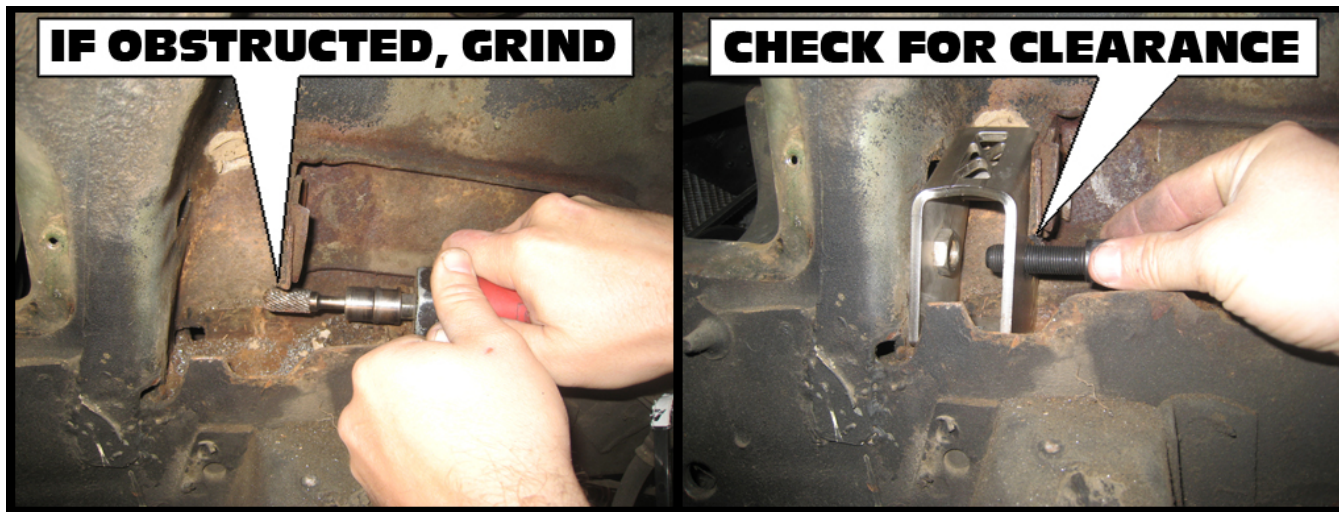
4. Check for Bolt Clearance

In some instances, we seen clearance issues for the Relocator bolt. Check to see if the hole that is used to connect the A-Arm is clear. (NOTE: Pictures below shows the Driver side)



5. Grind if Necessary

If anything is in the way, grind it down and recheck clearance. Repeat until bolt fits.





6. Install A-Arm Relocators

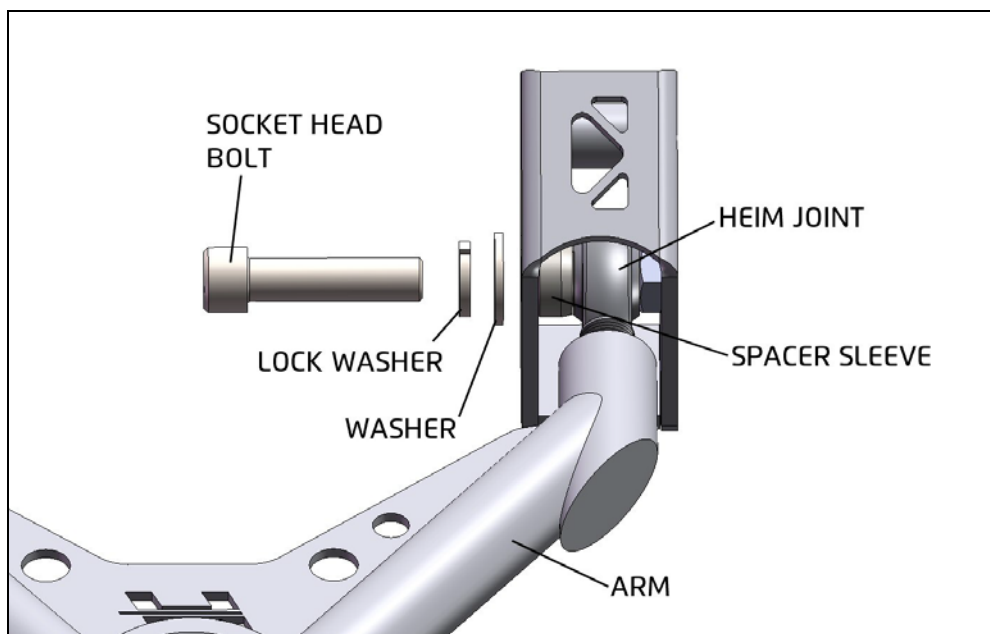
Slide the stock camber bolt w/washer through the top hole of the A-Arm Relocator. The other end will end up inside the engine bay. Install the washer and nut snugly, but do not fully tighten. You will need to induce some preload to position the Relocator properly. You can do this by rotating the camber bolt clock wise until you feel resistance. The Relocator should position itself snugly onto the frame. Fully tighten the camber bolt by tightening the nut side keeping the bolt static.



*Picture shows passenger side*

## 7. Install A-Arm Front Mount

Use the included hardware and install the split lock washer & AN washer onto each ½" socket-head bolt. NOTE: If your mount came pre-assembled by Hotchkis, please use the spacer that was installed on the mount. Insert the socket-head bolt slightly into the bottom hole of the A-Arm Relocator just enough so you can rest the spacer on the tip of it on the inside of the Relocator as shown below. Next, slide the A-Arm into place, slide bolt all the way through, then fully tighten to 35-40 ft-lbs. See bottom picture for full detail.

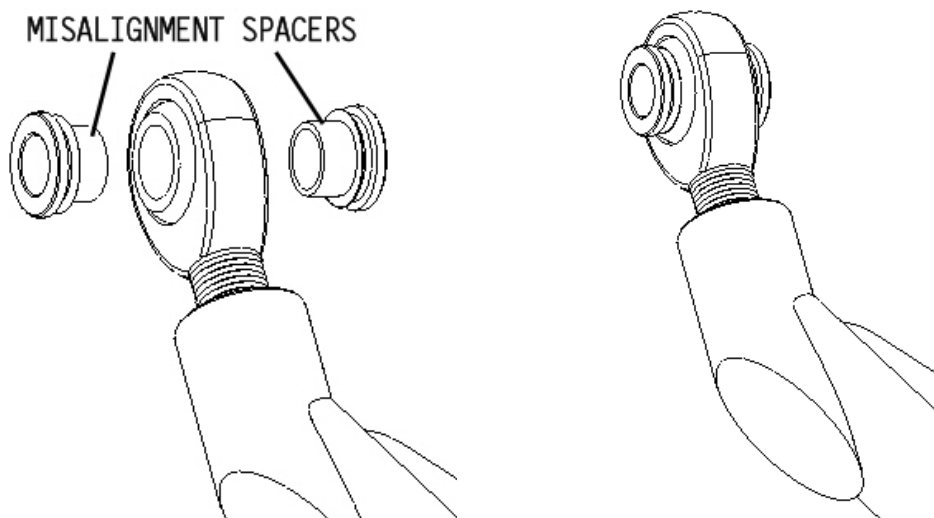


*Passenger side shown here*

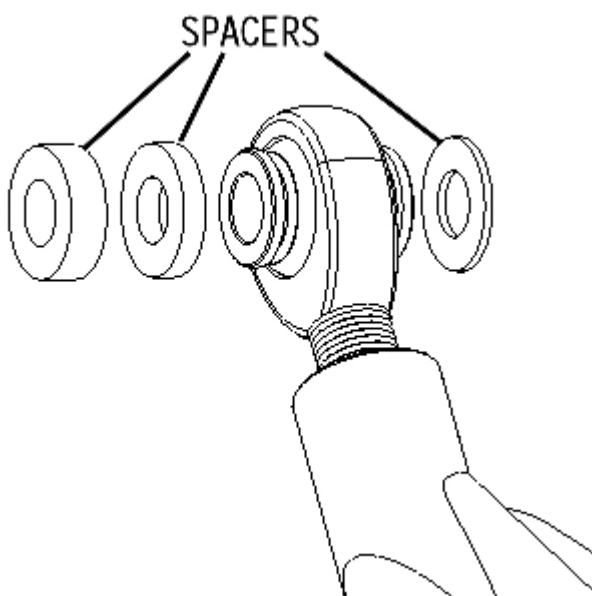
Stack Up: 3/8" bolt---Split Lock washer---AN Washer---Relocator Bracket---  
Spacer Sleeve---Heim Joint

## 8. Install Other Side of A-Arm

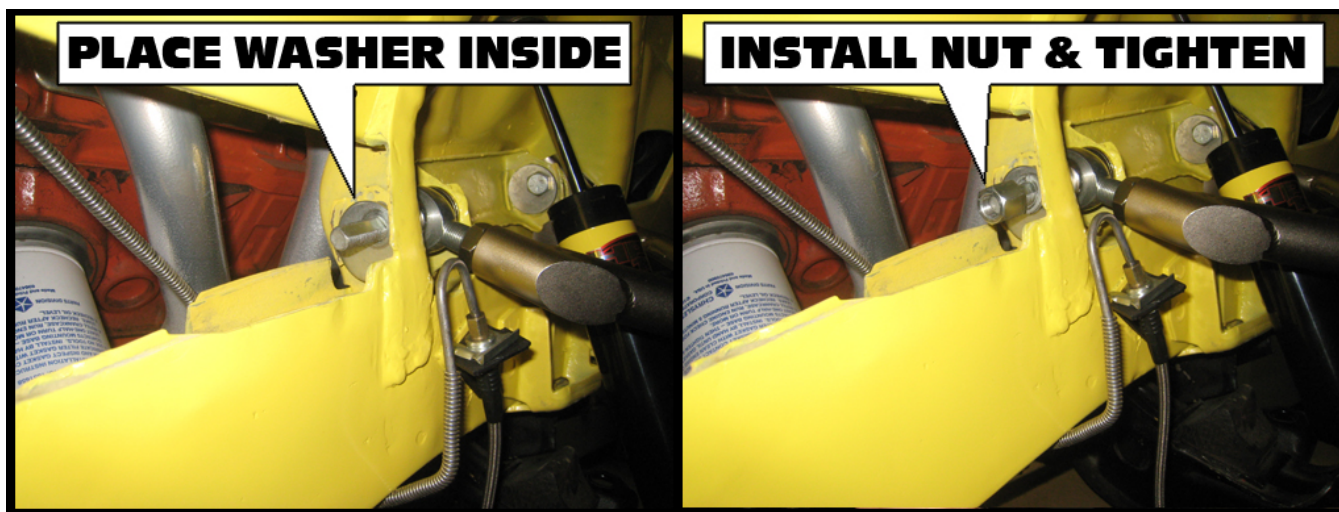
The trailing end of the A-Arm will be bolted into the stock mounting hole. Install 2 misalignment spacers.



Position the A-Arm so that the other heim joint is lined up with the mounting hole. You will notice there will be gaps on each side of the joint. You will need to add spacers (included in your kit) to take up the gaps. These gaps are not consistent from car to car so you will have to use the appropriate thickness spacers on each gap. You may have to use combinations of varying thicknesses to achieve proper gaping. See below as an example.



Once the proper spacer arrangement is achieved, insert the camber bolt through the stock mount hole and the other end will end up in the engine bay. Install the camber washer and nut. Adjust the bolt so that the bolt is in the center of its adjustment. Fully tighten nut for now. This will be adjusted once you get an alignment.



#### 9. Connect A-Arm to Spindle

Lift the A-Arm and lineup the ball joint stud to the hole in the spindle and slide the stud in.





10. Install Castle Nut

Install the castle nut to the other end of the ball joint stud and tighten until there is clearance for the cotter pin to be inserted into the ball joint stud.



11. Install Cotter Pin

Install the cotter pin. Twist and cut as needed to ensure it stays in place.





12. Grease the Ball Joints

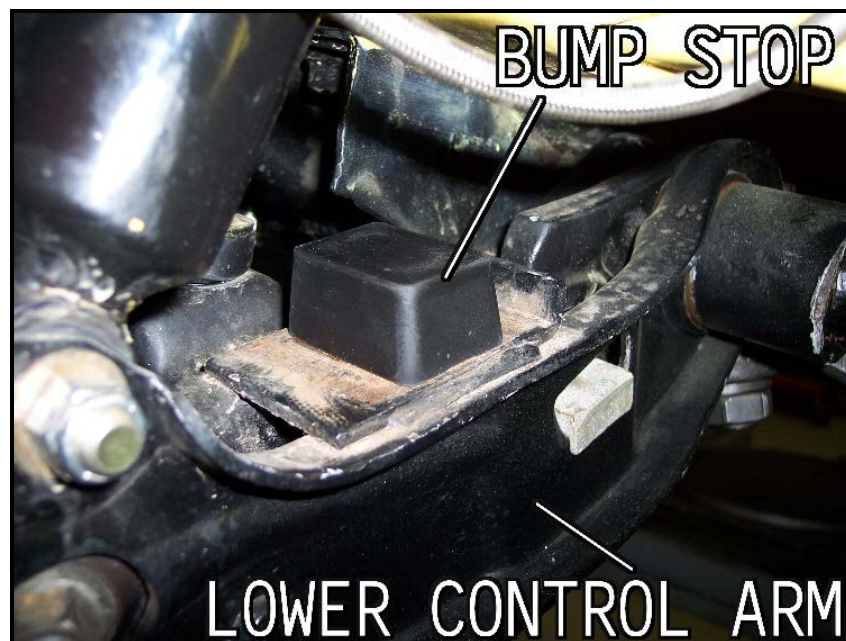
Grease all of the ball joints

13. Install Bumpstops and Droopstops

Remove the stock droop stop and install the included Hotchkis "bullet" Shaped version.



Remove the stock bump stop and install the included Hotchkis "Rectangle" Shaped version.



14. Repeat the steps for the other side and you're done! Have an alignment shop align the front end.

Recommended Street/Sport specs:

Static Camber =  $-1^{\circ}$  (negative)

Caster =  $+5^{\circ}$  (positive)

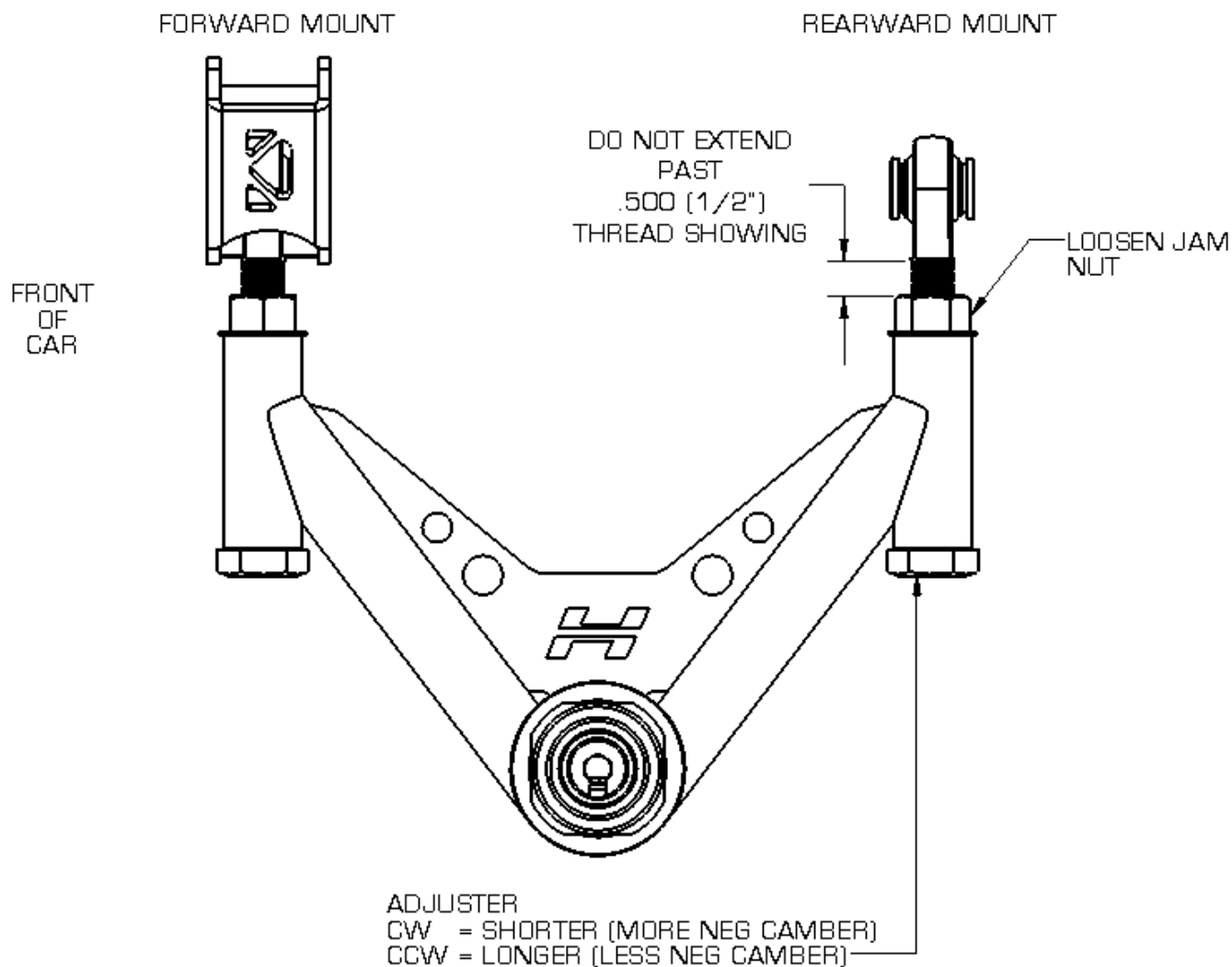
Total Toe =  $1/8"$  Toe IN

Recommended Race specs:

Static Camber =  $-2.5^{\circ}$  to  $-3^{\circ}$  (negative)

Caster =  $+5^{\circ}$  to  $+7^{\circ}$  (positive)

Total Toe = 0 Toe to  $1/8"$  Toe OUT



To adjust, simply loosen the jam nut and turn the adjuster in the direction you wish to go. Shortening or lengthening the forward and/or rearward mount will change camber and/or caster. Shortening the rearward mount more versus the forward mount will result in more positive caster. Remember when shortening either end you will also result in more negative camber. Do not extend the heim joint past  $1/2"$  of thread showing. Fully tighten the jam nuts when adjustment is complete.

## 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](http://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](http://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](http://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.