

HOTCHKIS SPORT SUSPENSION

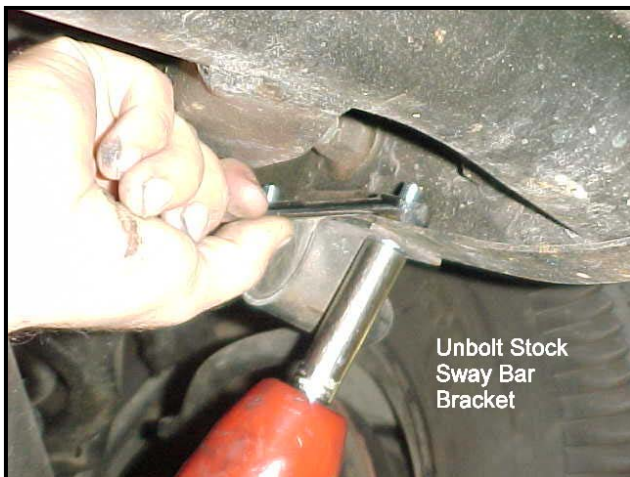
2277 FRONT AND REAR SPORT STABILIZER BAR SET 55-57 Ford Thunderbird

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This installation will require drilling new mounting holes for both the rear sway
bar. ***Please read instructions carefully to avoid unnecessary drilling.***

INSTALLATION OF HOTCHKIS PERFORMANCE FRONT STABILIZER BAR

- 1) Please look at the original front sway bar system and note the orientation of the front bar. You will want to install the new Hotchkis bar in the same manner.
- 2) Securely block the rear wheels of the vehicle. Use a jack to raise the vehicle and support with jack stands only if you need additional clearance under the vehicle.
- 3) Unbolt the stock stabilizer bar bushing from the frame. Remove the bushings and brackets from the bar, you may have to cut the original bushing to make removal easier. Unbolt and remove the end links from each end of the bar. The bar should now be free moving and is held in the vehicle only by the lower a-arm. You will not be re-using any of the original stabilizer bar hardware.

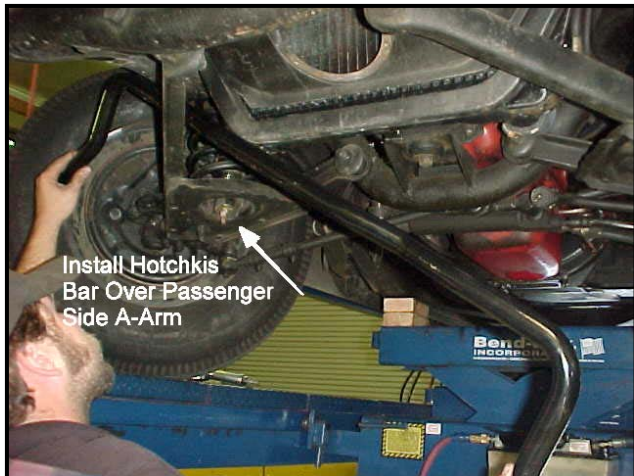


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- 4) Jack up the front of the car, and turn the front wheels to the right. Slide the stock bar to the passenger side and pull the arm through the a-arm. Then pull down on the driver's side of the bar and twist the bar out of the car.



- 5) With the stock bar now removed, check to see if the frame holes will need to be drilled out to accommodate the Hotchkis 3/8" bolts found in kit #1735. If they do need to be drilled out, use a 25/64" drill to give the bolt enough clearance.
- 6) Insert the new Hotchkis bar by reversing the removal directions. Make sure the clearance "hoops" of the bar points up when the bar is oriented as if it was in the car. *If the bar is put in backwards, then the bar will contact the frame rails on both sides of the car when the bar is rotated into position.*

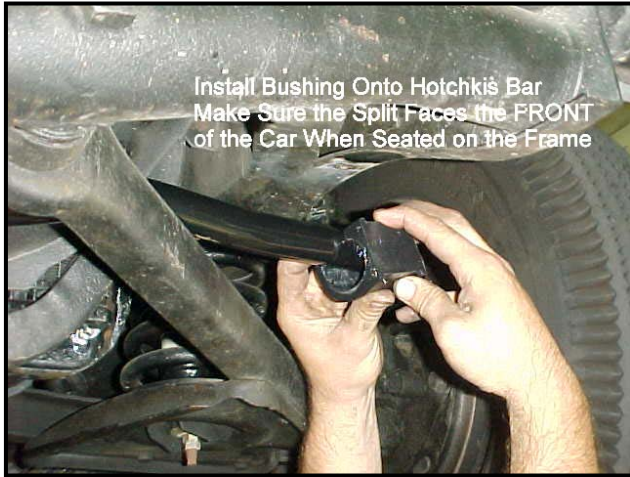


- 7) Grease the new bushings with the included white silicon grease.

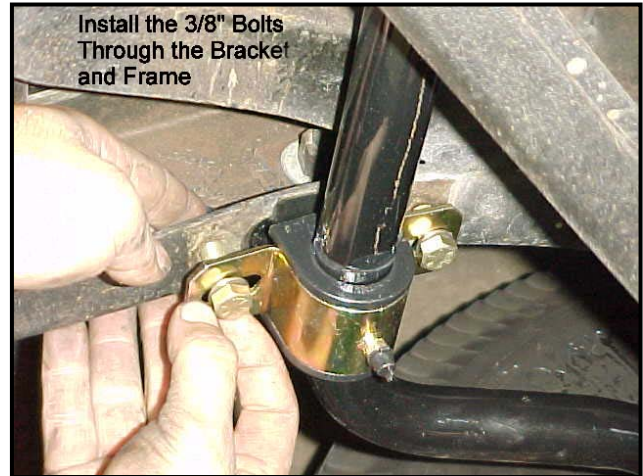


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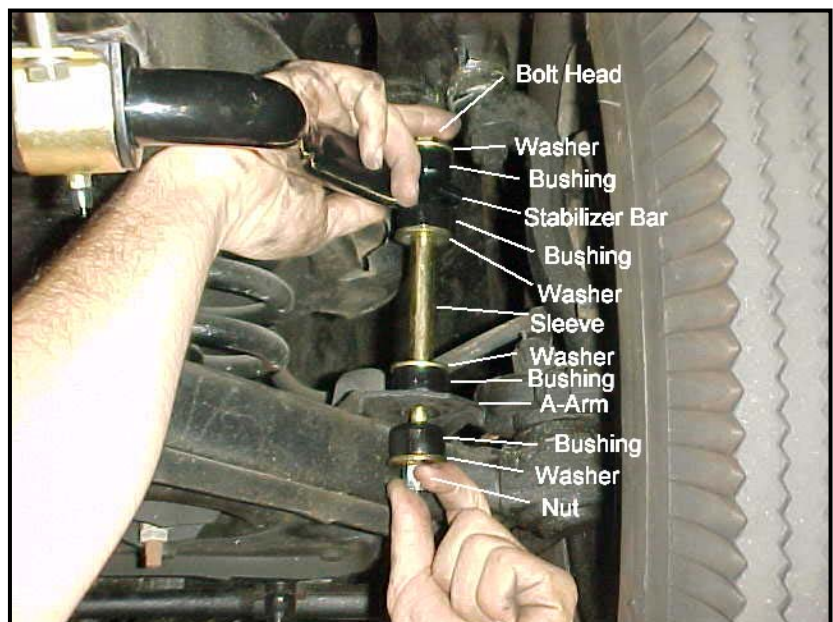
- 8) Determine the approximate position where the bushings need to be on the bar, and install them. Next, install the brackets over top the bushings.



- 9) Use the 3/8" bolts from **hardware kit #1741** to attach the Hotchkis bar. Drop the bolts down through the drilled out holes in the frame. Start the washers and nylock nuts onto the ends of the bolts. *You will use only 4 nuts, 8 washers and 4 bolts from this kit. DO NOT THROW THE EXTRA HARDWARE AWAY, as it is used for the rear sway bar.* Do not tighten the bolts fully at this point.



- 10) Install the new Hotchkis endlinks. It is easiest to install the endlink pointing down. The endlink kits should have been pre-assembled with the parts in the proper order, but double check this. Make sure the bar, and the a-arm are sandwiched between the polyurethane bushings. The washers should be outside of the bushings, this helps capture the bar properly. Tighten the endlinks to the point where the bushing expands to just larger than the support washer. There is no torque rating for this.



- 11) Tighten the 3/8" frame bolts to 35 ft/lbs.
- 12) After driving the vehicle, re-check all hardware for tightness. Cover the zerk fittings in the brackets with the grease caps that came attached to the brackets. You are finished with the front sway bar installation

IMPORTANT: For maintenance, use the zerk fittings to grease the bushings at least once a year (15,000 miles) or when excessive noise occurs. Use a non-lithium based grease only! A lithium-based grease can wash out with water and should not be used.

MOVE ON TO THE REAR SWAY BAR INSTALLATION

Please call us at (877) 4NO-ROLL if you have any questions regarding your Hotchkis Performance products.

This installation will require drilling new mounting holes for both the rear sway bar. ***Please read instructions carefully to avoid unnecessary drilling.***

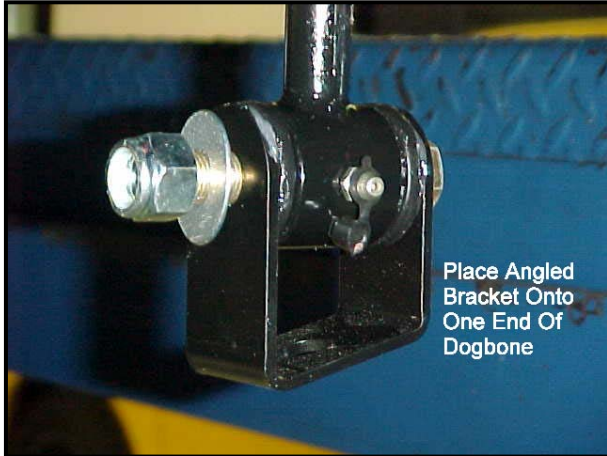
INSTALLATION OF HOTCHKIS PERFORMANCE REAR SWAY BAR

- 1) Securely block the front wheels of the vehicle. *You will not want to jack up the rear end of the vehicle to perform this installation.* If you need ground clearance, either use a pair of ramps or install this on an alignment style rack.
- 2) Take the rear bar and place it up under the axle to roughly see how the installation is going to work. This bar mounts under the axle with the arms pointed forward in the vehicle. Make sure the hoop is angled towards the ground. Note the location on the axle, where the arms bend to the front of the car. Make a mark with either tape, or chalk. *(see final installation picture for bar placement in vehicle)*
- 3) Take the u-bolts provided and place them over the rear axle and allow them to hang with the ends down. Place them at roughly the marks you made.
- 4) Use the grease pack provided to apply a coat of grease to the inside of the sway bar bushings. Place the bushings over the bar. *The split in the bushings should face towards the rear of the vehicle with the bar installed.* Push the brackets over the sway bar bushings, and slide them as far outwards on the bar as possible.

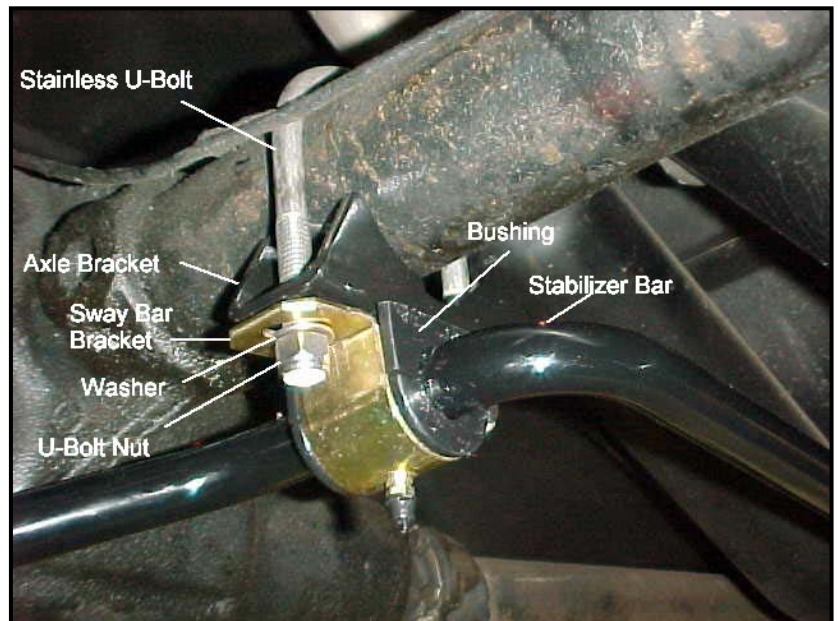


- 5) Use the grease provided to apply a heavy coat of grease to the sides of the bushings on the "dog bone" end links.

- 6) Attach the mounting brackets to the dogbone end links using the shorter of the bolts from **hardware kit #T1712**. Also, use the small washers on this particular bolt. Next, attach the other end of the links to the sway bar using the longer of the bolts. Place the dogbone to the **INSIDE** of the bar. Make sure the large washer is used where the bolt directly touches the dogbone. Tighten these bolts up just enough that the endlinks won't rotate on their own, but you can move them with your hand.



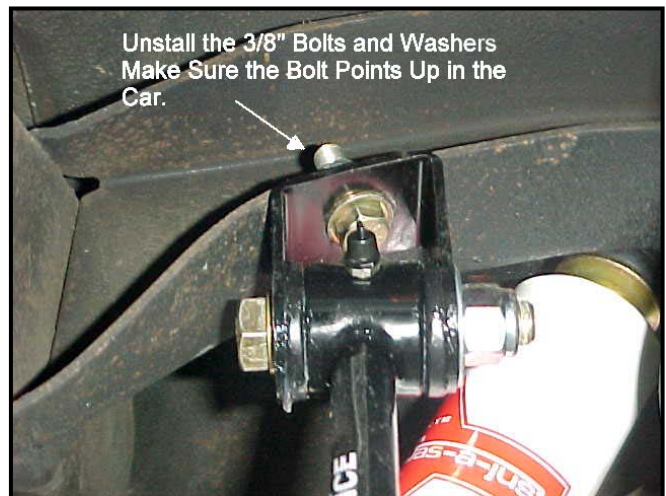
- 7) Now, we're going to hang the sway bar from the u-bolts on the axle. Place the black axle brackets over the ends of the u-bolts first (secure them with tape if you are doing the install by yourself). Slide the bushing brackets over the u-bolts to rest against the axle brackets. Install with the nuts and washers loosely started onto the u-bolts so that the sway bar hangs freely from the axle. Once the bar can support itself on the nuts, take the supplied tube of anti-seize (the little silver tube) and apply it to the u-bolt threads. That way, when you tighten the nuts, they will go through the anti-seize. *If you don't do this, the u-bolt thread may seize up and ruin the u-bolt!*



- 8) Slide the u-bolts along the axle until they hold the bar centered with the frame of the car.
- 9) Rotate the bar upwards, so that the brackets are resting against the frame. Please note the angle that the frame makes to the ground. Check to make sure you have the frame brackets installed on the dogbone endlinks correctly. They should mate up to the frame as best as possible. Slide the bar along the axle to match up the bracket to the frame. Once the brackets are in place use a scribe or some other tool to mark the center of each hole for drilling.



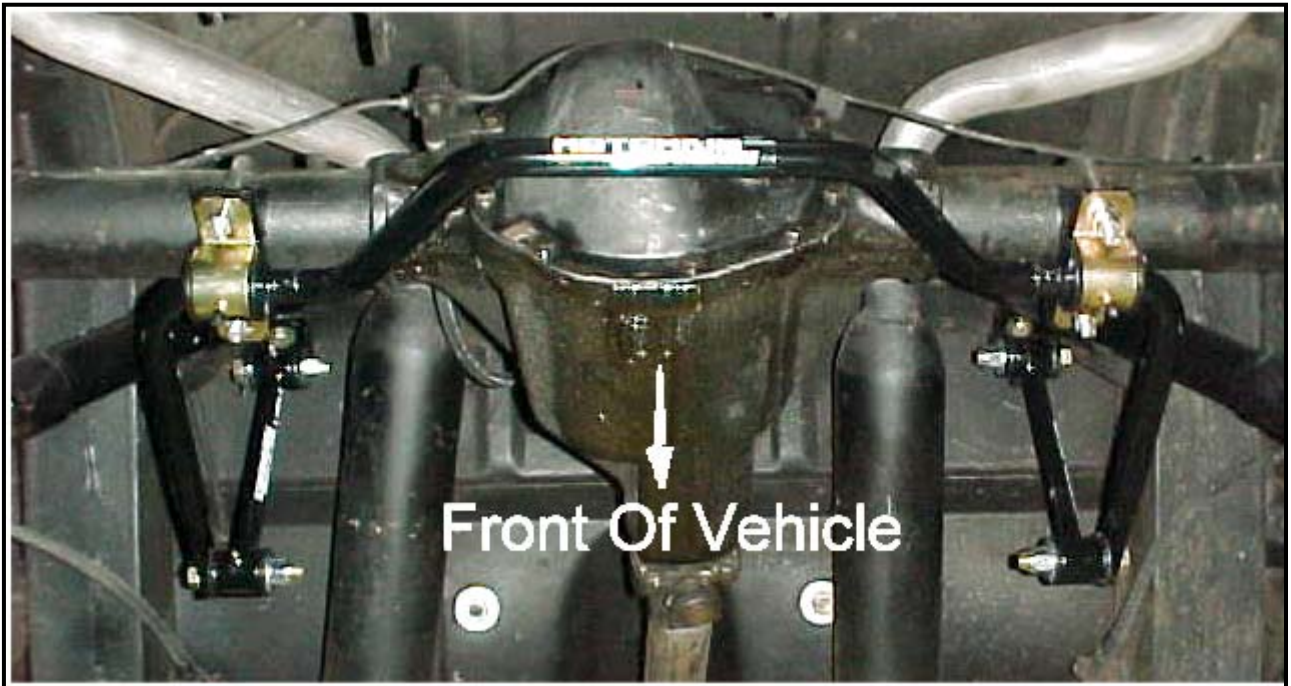
- 10) Let the bar rotate out of the way, and drill the frame with a 25/64" drill.
- 11) Once the holes are drilled, install two 3/8" bolts, with washers, from **hardware kit #1741** in the bracket and push up through the frame. Put 2 nylock nuts and washers on the bolt to keep them from falling out. Tighten the hardware holding the bracket to the frame. Torque the nuts to 40 ft/lbs.



- 12) Now, tighten the large bolts on both ends of the dogbone endlinks. Torque the hardware to 50 ft/lbs.
- 13) Now, make sure the U-bolts are pushed towards the wheels as much as possible and tighten them down. Watch as you tighten them down. You need to tighten both sides evenly, so as to hang the bar directly under the axle. Torque these to 40 ft/lbs



- 14) Check that all hardware is tight. Use the caps provided to cover the zerk fittings and you're done installing the Hotchkis rear sway bar!



IMPORTANT: For maintenance, use the zerk fittings to grease the bushings at least once a year (15,000 miles) or when excessive noise occurs. Use a non-lithium based grease only! A lithium-based grease can wash out with water and should not be used.

SEE NEXT PAGE FOR PARTS LIST



55-57 Ford Thunderbird Stabilizer Bar Kit, Parts List
P/N 2277

	Hotchkis P/N	Item Description	Quantity per kit
1	22810254	Front Sway Bar, 55-57 Ford Thunderbird	1
2	22910254	Rear Sway Bar, 55-57 Ford Thunderbird	1
3	15.12.06.39	Universal Sway Bar Bracket	4
4	5343G	1 1/8" Bushing	2
5	5337G	7/8" Bushing	2
6	19-416-BL	Endlink Kit (with bushings, washers, sleeves and hardware)	1
7	25210225	9" End Link Kit, Dog Bone Style (two end links per kit)	1
9	T2216	2.5" Sway Bar Axle Mount	2
10	T1719	2.5" U-bolt Kit, Stainless Steel (<i>see hardware listing</i>)	1
11	T1712	Dogbone Hardware Kit (<i>see hardware kit listing</i>)	1
12	1735	Frame Mount Hardware Kit (<i>see hardware kit listing</i>)	1
13	9.11108	Grease Pack	2

Hardware Included in Kit #T1712 (one per kit 2253)

12	12-20 X 3"	1/2" Bolt, 3" long	2
13	1/2-20X2.75"	1/2" Bolt, 2-3/4" long, Hex Head	2
14	7/16USS FW	7/16" Flat Washer	8
15	1/2AN	1/2" Flat Washer	4
16	1/2-20 NUT	1/2" Nylock Nut	4

Hardware Included in Kit #T1719 (one per kit 2277)

-	T1719	2.5" U-bolt, Stainless Steel	2
17	7/16AN	7/16" Flat Washer	4
18	7/16NYLOCK	7/16" Nylock Nut	4
19	ND907	Anti-Sieze, 1/8oz. Tube	1

Hardware Included in Kit #1741 (one per kit 2253)

20	3/8-24X1.25	3/8" Bolt, 1.25" Long, Hex Head	8
21	3/8SAEG8WASH	3/8" Hardened Flat Washer	16
22	3/8NYLOCK	3/8" Nylock Nut	8

Items Not Shown

24	5015	Puffy Black/ Chrome Sticker	1
25	n/a	Instruction Set	1



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



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.