

# **HOTCHKIS** **HOTCHKIS** **SPORT SUSPENSION**

## **#1204 MUSTANG UPPER TRAILING ARMS**

**Thank you for your purchase. Please call us at (562) 907-7757 if you have any questions regarding your Hotchkis Performance products.**

**Visit us online @ [www.hotchkis.net](http://www.hotchkis.net)**

## **UPPER TRAILING ARM REMOVAL**

**\*\* #1204 (MUSTANG) DOES NOT USE STOCK HARDWARE.  
BECAUSE OF  
THE EXTRA WIDTH OF THE H.P. UPPER TRAILING ARMS, H.P.  
HARDWARE KIT #1701 MUST BE USED. MUSTANG AXLE  
HOUSING BUSHING SHELL MUST BE LEFT IN PLACE.**

### **Removal of Stock Upper Trailing Arms and Differential Bushings**

- 1) Place vehicle onto level surface. Place blocks in front of front tires.**
- 2) Support rear of car on jack stands and remove rear wheels.**
- 3) Remove rear coil springs.**
- 4) Place floor jack under differential and lift-up slightly taking the tension away from trailing arm bolts - be sure not to lift vehicle off of jack stands.**
- 5) Now remove your quad shocks**

**\*\* KEEP FLOOR JACK UNDER DIFFERENTIAL DURING THE COMPLETE REMOVAL AND INSTALLATION PROCEDURE**

- 6) Start with either trailing arm and remove the rear bolt.**
- 7) Then remove the front trailing arm bolt.**
- 8) Repeat procedure for opposite side.**
- 9) Lower rear axle with floor jack, being careful not to stretch rear brake lines.**
- 10) Remove rubber bushing by drilling then chisel out of shell. Now leave the axel bushing shell in place. Inside of shell MUST be smooth and clean.**



## **Installation of Hotchkis Performance Upper Trailing Arms**

- 1) Lubricate polyurethane with supplied grease.**
- 2) Slip bushing into shell already in axle housing.**
- 3) Lubricate inner sleeve and install into bushing.**
- 4) Lubricate and install thrust washers by slipping them over axle housing bushing.**
- 5) Lubricate faces of bushings in trailing arm, then install new trailing arm by locating front bolt first.**
- 6) Place one drop of blue Loctite on threads and torque nut to 70 ft. lbs. (not needed with H. P. hardware)**
- 7) Trailing arm should then pivot smoothly.**
- 8) Install rear axle housing bolt.**
- 9) Place one drop of blue Loctite on threads and torque nut to 70 ft. lbs.**
- 10) Repeat procedure for other side.**
- 11) Check rear brake lines for wear. If worn, replace with new brake lines.**
- 12) Install coil springs, then install all shock bolts.**

**CHECK ALL NUT AND BOLT TIGHTNESS AFTER FIRST TEN MILES**



## 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**

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## INSTALLATION INSTRUCTIONS

# 1304, 1304R AND 1311 MUSTANG LOWER TRAILING ARMS

Please read these instructions carefully and if you have any questions regarding installation please do not hesitate to call Hotchkis Performance directly, we will be more than happy to help.

### THANK YOU FOR PURCHASING HOTCHKIS PERFORMANCE PRODUCTS

- 1) With the front wheels securely blocked, raise the rear of the vehicle to an adequate working height, then support the vehicle / chassis / body **securely** with jack stands, leaving the differential slightly supported with the jack.
- 2) Remove the rear wheels then remove the bolts that retain the lower shock absorber mounts. If you have a **Quad-Shock** equipped car remove the nuts on the frame side of the axle dampening shock and pull it from the pivot.
- 3) Gradually lower the differential far as possible ( be very careful not to over extend the flexible brake line that runs from the chassis to rearend.). At this point there should be little or no tension on the rear springs so they can be easily removed from the car allowing the easiest and safest trailing arm installation possible. **NOTE** – pay attention to the position of the cutoff spring end and be sure to re-install the springs clocked in the same position as this will affect ride height and ride quality.
- 4) Unbolt the rear sway bar from the lower trailing arms and remove the bar.
- 5) Working on one side of the car at a time, remove the two trailing arm pivot bolts. The front pivot bolt has very limited clearance between the muffler and frame rail, but can be reached with a deep socket / ratchet combination. Remove the old trailing arm. Be sure to only remove and install one trailing arm at a time, failure to do so will let the rearend housing rotate and will make your installation much more difficult.
- 6) Clean the surface of the pivot points on the car checking to make sure there are no rough edges that may tear into the new bushings. After apply a light coat of grease to the outer surfaces of each bushing, slide the forward end of the new trailing arm up into the position and reinstall the front pivot bolt. **Note** – for proper sway bar installation – make sure the arms are positioned so that the stickers are towards the outside of the vehicle – the arms are marked left and right.

- 7) Slide the rear of the trailing arm into place, reinstall mounting bolt and torque both bolts to 70 ft./lbs. **Note** – locating and aligning the rear pivot bolt is a little tougher and may require the use of a small pry bar or similar tool to line up the mounting holes correctly.

Repeat steps 5 & 6 for the opposite side of the vehicle

- 8) Reinstall the rear springs, making sure of proper position. (See note in step 3)
- 9) Remove the nut clips from the sway bar and slip them over the holes on the tabs of the new trailing arms with the threads towards inside of vehicle. Install sway bar onto trailing arms with the ends on the outer sides of the tabs.
- 10) Raise the rearend assembly, reinstall the lower shock mounting bolts and the Quad-Shock mounts (if required). Reinstall the rear wheels. Road test and recheck all bolts after driving a few miles.

**Note** – 1983 to 1985 vehicles with the original anti-hop / slapper bars will require removal of these bars, however, due to the increased rearend stability accomplished by these trailing arms, traction and anti-hop ability will not suffer. For this same reason, Quad – Shocks may also be safely removed from cars so equipped for increased tire clearance.



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**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.

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