

1107 Tubular Upper A-Arms 67-69 Camaro/Firebird



Thank you for your purchase from our new line of F-Body 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

Tubular Upper A-Arms:

Your new Hotchkis tubular Upper A-Arms are stronger and more aesthetically pleasing than the original OEM control arms. The 4130 Chromoly offset Cross-Shaft helps with negative camber eliminating the need for excessive alignment shims. The A-Arms are equipped with durable Delrin bushings that are designed to rotate independently of the arm and inner sleeve, which dramatically increases the bearing surface and ensures longer bearing life. Since your getting rid of the stock rubber bushings in place of the stiff Delrin bushings, handling and steering response is dramatically enhanced. Your Hotchkis A-Arms are also equipped with aluminum caster shims, which allow you to have stock caster or increase the caster angle by +1.25° over stock.

Your Hotchkis A-Arms are 100% bolt-on. If you have not done so already, we suggest using our Tubular Lower A-Arms (Kit #1109) in conjunction with the uppers to maximize your vehicle's handling and response.

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.

1. Raise Vehicle

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



2. Remove the wheels

Remove both front wheels



3. Loosen the Upper Ball-joint Castle Nut

Pull the cotter pin out using a pair of dikes ore pliers. Loosen but do not remove the castle nut securing the upper ball-joint to the spindle.

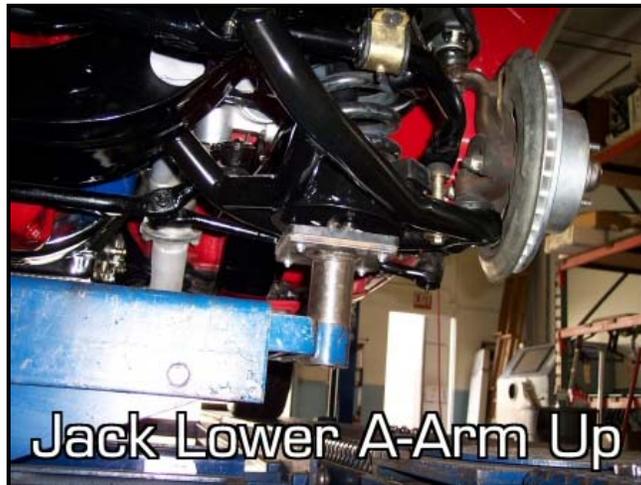


Smack the spindle mount to break loose the ball-joint stud from the spindle. The spindle should drop down and rest on the castle nut. Do not remove the castle nut yet!



4. Jack up the Suspension

Place a jack underneath the lower control arm and raise the suspension until just before the car begins to raise.



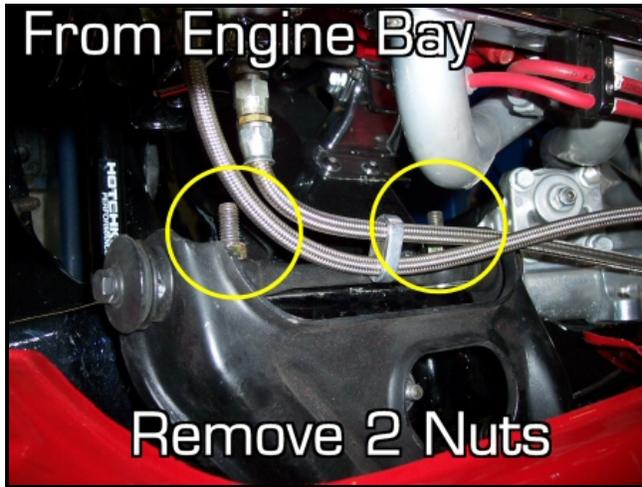
5. Remove the Upper Ball-joint Castle Nut

Push downward on the upper ball-joint and spin the castle nut off. The A-Arm is now loose from the spindle.



6. Undo the Inboard Mounts

There are 2 splined studs that holds the cross-shaft to the frame. First, remove the 2 stud nuts. The cross-shaft should be loose from the frame, however the splined studs may prevent you from removing the A-Arm due to engine clearance. Remove the splined studs by popping them outboard. You may need to use a small hammer or c-clamp to convince the stud to come out. Once the studs are out, you can remove the A-Arm completely.





7. Prepare the Hotchkis A-Arm

Place the stock piece next to the Hotchkis arm and make sure you have the correct side arm. If you lose track of which arm goes on which side, the A-Arm in the picture is the driver side.



At this point you may choose to use the stock caster blocks (centered) or the offset caster blocks. The benefit of the offset caster blocks is an increase of caster by $+1.25^\circ$ over stock. With more positive caster, you will gain more negative camber during turning. This will result in better traction while cornering. You will also notice improved stability at high speeds. If you decide to use the offset caster blocks, please follow the next steps.

Make sure the cross-shaft is offset in the correct position. The caster shims should face outboard. Insert the caster pieces as shown in the picture. This will shift the cross-shaft rearwards, giving you more positive camber.



8. Reinstall the Hotchkis A-Arm

Reinstall the Hotchkis A-Arm in the same manner as removal. Use the following pictures as a guideline.

Install Hotchkis A-Arm



Insert the Splined Bolts



Hammer the splined Bolt in place



Install hardware



Install Castle Nut



9. Align Your Car

It is highly recommended that you get your car aligned by a professional after you install your Hotchkis A-Arms.

More Products for Your 1st Gen F-Body!

1109

Tubular Lower Trailing Arms

1404 (Convertibles Only)

Sport Cross Brace

1607

Tie Rod Sleeves

1906F (Big Block)

2" Lowering Sport Coil Springs

1907F (Small Block)
2" Lowering Sport Coil Springs

2207
Front & Rear Sport Sway Bar Set

2407C
1 ½" Lowering Sport Leaf Springs

4007 (Coupe)
Subframe Connectors

4008 (Convertible)
Subframe Connectors

80014 (Big Block)
Total Vehicle System (TVS) Kit
Includes 1607, 1906F, 2207, 2407C

80015 (Small Block)
Total Vehicle System (TVS) Kit
Includes 1607, 1907F, 2207, 2407C

**Please visit our website for more information.
www.hotchkis.net**

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 inquires 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.**