

Tubular Upper A-Arms, 1/2" Tall Ball Joints
Item #3033-1



Note tubing welded flat to plate to determine a-arm side.



Box Contents:

- (1) #3033 Driver Side
- (1) #3033 Passenger Side
- (2) #3033F Cross-shafts (Mounted)
- (4) #3033I Delrin Bushings
- (2) #6052G Bump Stops
- (4) #1000075 Washers (Mounted)
- (4) # 1000070 Washers (Mounted)
- (4) #1000071 Nuts (Mounted)
- (4) Grease fittings (Mounted)

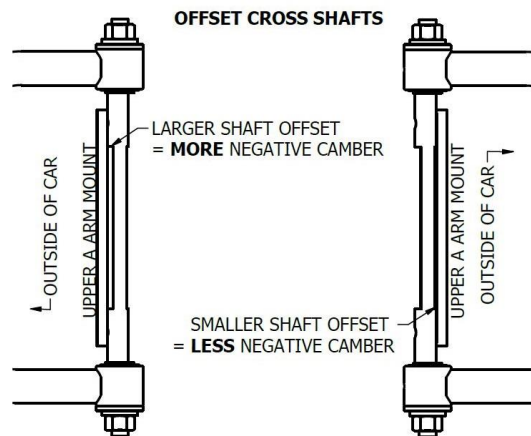
Applications:

- * 1978 – 1988 GM G-Body
- * 1982 – 2003 Chevrolet S10
- * 1982 – 2003 GMC S15

Thank you for Putting Your Trust in A UMI Performance Product!

www.umiperformance.com

1. Before installation, verify box contents are correct and read through instructions completely.
2. On a solid, level surface, jack up the front of the vehicle to a good working height, making sure both wheels are off of the ground, and secure with (2) jack stands under the frame, one on each side. Also, be sure to leave enough room to fully unload the coil spring.
3. Remove wheel(s) then loosen and remove front sway bar end links (top and bottom) from both driver and passenger side. This will allow you to rotate the sway bar out of the working area.
4. Remove cotter pin from the upper ball joint and loosen the castle nut, but **DO NOT** remove at this time.
5. Using a separator, or pickle fork, separate the upper ball joint from the spindle.
6. Jack up on the lower A-Arm until the castle nut can be removed. Remove the upper arm from the spindle and frame. **NOTE:** Retain the shims for installation of new upper A-Arm.
7. Install the UMI upper A-Arm on the vehicle's frame first, but **DO NOT** tighten at this time.
8. Install the upper ball joint into the spindle and tighten. Then install the new cotter pin.
9. Move to the opposite side and repeat steps #4 - #8.
10. Mount the wheels and carefully lower the vehicle to the ground.
11. Re-install the factory shims retained from step #6 on the UMI upper A-Arms and tighten bolts on the frame.
12. Take vehicle to a local mechanic for alignment.



Thank you for Putting Your Trust in A UMI Performance Product!

www.umiperformance.com

NOTE: UMI A-Arms feature alignment settings that cannot be achieved using the factory A-Arms. Below are new alignment specs recommended by UMI. Depending on vehicle ride height or other modifications some competition specs may not be able to be achieved.

ALIGNMENT RECOMMENDATIONS

	Street and Show	Street Performance	Competition
Camber	0 to -1/4 degrees	-1/2 degrees	-1 to -1.5 degrees
Caster – Driver Side	+4 degrees	+5 degrees	+5 to +6 degrees
Caster – Passenger Side	+4.5 degrees	+5.5 degrees	+5.5 to +6.5 degrees
Toe	IN 1/8” total	IN 1/16” total	OUT 0” to 1/16” total (Autocross)

Tall Ball Joint Information:

Some UMI P/N’s use tall upper and/or lower ball joints to enhance cornering performance (upper ball joints shown for illustration). Tall ball joints look different than the standard OEM ball joints. Please install with confidence. It is 100% A-OK and expected for the ball joint shaft to be exposed. The taper is what locks the ball joint in place, and is a standard A-body spindle taper. The boot does not have to cover the shaft. Grease is only necessary on the pivot point. Super-tall ball joints have a necessarily tall boot design. This design looks bad when in full droop but is A-OK when the car is at ride height.



Thank you for Putting Your Trust in A UMI Performance Product!

www.umiperformance.com



DISCLAIMER OF WARRANTY

THE PURCHASER ACCEPTS ALL RESPONSIBILITY FOR THE FINAL USE OF THE PRODUCTS PURCHASED AND SHALL HOLD UMI PERFORMANCE INCORPORATED AND ITS REPRESENTATIVES HARMLESS IN ANY LEGAL PROCEEDING ARISING FROM THE USE OF SUCH PRODUCTS.

UMI PERFORMANCE INCORPORATED DOES NOT WARRANT, GUARANTEE, OR MAKE ANY REPRESENTATION REGARDING THE USE, OR THE RESULT OF THE USE OF ANY PERFORMANCE PRODUCT MANUFACTURED OR DISTRIBUTED BY UMI PERFORMANCE INCORPORATED. PURCHASER ASSUMES THE ENTIRE RISK AS THE RESULT AND PERFORMANCE OBTAINED FROM THE INSTALLATION AND USE OF SAID PERFORMANCE PRODUCTS. UMI PERFORMANCE INCORPORATED ASSUMES NO RESPONSIBILITY FOR AND HEREBY DISCLAIMS ALL WARRANTIES, ORAL OR WRITTEN, EXPRESS OR IMPLIED INCLUDING WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE.

ALL PARTS ARE WARRANTED TO BE FREE OF DEFECT AT THE TIME OF PURCHASE. WARRANTY IS ONLY EXTENDED TO REPLACEMENT OF PARTS FROM UMI PERFORMANCE INCORPORATED AND DOES NOT COVER LABOR, TOWING OR ANY OTHER DIRECT OR INDIRECT COST. UMI PERFORMANCE INCORPORATED IS NOT RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGE, EXPENSE OR INJURY ARISING FROM THE USE, MISUSE OR IMPROPER INSTALLATION OF ANY PRODUCT MANUFACTURED AND/OR SOLD BY UMI PERFORMANCE INCORPORATED.

Item #3033-1

G-Body/S10 Tubular Upper A-Arms

UMI Performance Inc.
Made in Pennsylvania, USA

Thank you for Putting Your Trust in A UMI Performance Product!

www.umiperformance.com