

**1968-1972 GM A-Body Adjustable Rear Upper Control Arms**  
Item # 4017



**Item Includes-**

(1) Installation Instruction Sheet

- 1.** Jack up rear of vehicle to a good working height, make sure both rear wheels are off the ground. Place (2) jack stands under the frame. **Do not Support by rear axle.** Place jack under the rear end center and place slight upward tension on the rear end.
- 2.** Install control arms one side at a time, removing both control arms at once will allow rear axle to shift forward making the install more difficult.
- 3.** Locate the driver's side upper control arm. Using wrenches/socket remove both front and rear control arm bolts, remove control arm from vehicle. If control seems difficult to remove, use the jack to move the rear end in up and down movements to help ease removal. **Note:** If you are installing new rear end housing bushings, this procedure should be completed now. A torch is recommended to ease removal of old bushings.
- 4.** Locate a new control arm (control arms are universal for each side). Please note control arms are assembled and shipped pre-set to stock control arm length but we recommend to double check the measurement. Install control arm into place leaving the bolts loose at this time, the vehicles weight must on the rear axle before tightening to prevent bushing preload.
- 5.** Repeat steps 3 and 4 on passenger side.
- 6.** Jack up vehicle by rear axle, remove jack stands from frame and placed under rear. Release the jack and let the vehicle weight rest on the jack stands, this will load the rear suspension.
- 7.** Tighten all (4) mounting bolts. Recommended torque spec on upper control arms is 72 ft lbs. **Note:** Check jam nuts OFTEN for tightness, over time these items may work loose and need retightened

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## Installation Instructions

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### **Setting Pinion Angle**

UMI Performance presets the control arms to stock length. However please double check these adjustments. An angle finder is needed to measure the drive line angle of the vehicle.

**How to Check the Current Pinion Angle-** To check the current pinion angle the vehicle must be level with the suspension loaded. Place the angle finder on the drive shaft and record the angle. Now place the angle finder on the bottom of the rear end or rear end yoke, record this angle as well. To achieve true pinion angle you must add the two measurements. For example if the drive shaft measures 0 degrees and the rear end measures -1 degrees you have -1 degrees of pinion angle. We have found the best settings for a street driven car are: 1-2 degrees downward.

**How to Adjust the Pinion Angle-** Using UMI Performance's on-car adjusters, adjusting pinion angle is simple. Loosen both jam nuts on the adjuster of each control arm. Use a 1" wrench and adjust each adjuster equally. It won't take much to get a degree. Once pinion angle is set tighten **all** jam nuts tight. Check all bolts and jam nuts often. Pinion angle is to be set with suspension loaded and vehicle level

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68-72 GM A-Body Adj. Upper Control Arms

UMI Performance Inc.  
Made in Pennsylvania, USA

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