

1993-2002 GM F-Body Adjustable Upper A-Arms (chrome moly)
Item # 2316
(Light Weight Drag Race Version)



Box Contents

Qty	Part #	Description
1	2316 Driver	Front Upper Driver A-Arm
1	2316 Passenger	Front Upper Passenger A-Arm
4	AMR10H	Aluminum Rod Ends
4	JNR10A	Aluminum Jam Nuts
8	2310D	Aluminum Bushing Spacers
2	0022	Ball Joint Kits
1	2316 Install Instructions	2316 Install Instructions

Notes:

Before installation, verify box contents are correct and read through instructions completely. Always ensure proper support when working under a vehicle. Use approved jack stands when using a floor jack as well as proper technique for securing your car while on a drive-on lift.

Tools required:

SAE wrenches and sockets
Ball Joint Separator

*******WARNING: PLEASE READ*******

ONLY tighten the ball joints if the A-arm is installed in the mounting bracket. If the A-arm is not installed tightening the ball joint may cause the A-arm to bow slightly.

Installation

1. Jack up front of vehicle and place jack stands under vehicle frame. Do not support vehicle using A-Arms.

- 2.** Begin with one side and remove wheel. Note: This installation may be performed easiest with brake assembly and rotor removed. This can be completed now.
- 3.** Locate upper ball joint, remove cotter pin and loosen nut. Do not remove nut.
- 4.** Separate upper ball joint from steering knuckle using a ball joint separator.
- 5.** From inside the engine compartment loosen but do not remove the (4) shock tower bolts. Driver's side may require brake lines to be loosened and moved.
- 6.** Now remove the nut from the upper ball joint, remove the (4) shock tower bolts from the engine compartment and remove upper A-Arm assembly from vehicle.
- 7.** There are (2) options for upper ball joints, the stock ball joint can be removed and reused or purchase (2) new ball joints to install (Recommended). If reusing your stock ball joints you must grind the rivets off the stock A-Arm and use new hardware to install them to the new A-Arms. New ball joints will come supplied with the correct bolts and will bolt directly to the new A-Arm. When purchasing new upper ball joints purchasing them for any 93-02 Camaro/Firebird.
- 8.** Remove the stock A-Arm from the mounting plate. Locate a new A-Arm and place in the location the factory A-Arm was removed and tighten bolts. The ball joint mounting plate will be facing in an upward angle. Make sure the correct A-Arm is installed on the correct side!
Use Image 2 below for correct A-Arm direction.
- 9.** Place A-Arm assembly with new A-Arm into the vehicle. Snug the (4) bolts from inside the engine compartment to assembly in place.
- 10.** Reinstall upper ball joint into steering knuckle using ball joint nut and cotter pin, tighten nut. **Do not forget cotter pin.**
- 11.** Move to Step 7 in above directions and continue install on other side.

Image 1- Picture shows the A-Arms without ball joints assembled. Before installing arms into the vehicle, insert the ball joints down into the provided hole. Align the mounting holes for the ball joint and finger-tighten all the nuts, bolts, and lock washers. **DO NOT TIGHTEN DOWN AT THIS TIME.** Wait until the arm is attached to the mount in the wheel well before tightening down the ball joint nuts.



Image 2- Picture shows passenger side, to the right is the front of the vehicle and to the left is the rear of the vehicle. To install upper A-Arm place the curve of the A-Arm towards the front of the vehicle, grease fittings down and ball joint angled up.



Only tighten ball joint nuts when the arm is attached to the mount in the wheel well.

Item # 2316

93-02 GM F-Body Front Upper A-Arms

UMI Performance Inc.
Made in Pennsylvania, USA

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