



Control Arm Upgrade Kit, Mustang P/N C8006

Parts List

- (2) Upper Control Arm Gusset Plate, Factory Mustang
- (2) Lower Control Arm Gusset Plate, Factory Mustang

1. Support the car (per factory recommendations) with the rear end supported by a floor jack.
2. Remove (Lower Shock Bolts).
3. Lower Rear End with floor jack and remove Rear Springs.
4. Remove the Upper Control Arm Bolts (per factory Service manual Instructions).
5. Remove the Upper Control Arms.
6. Remove the Control Arm Bushings per factory service manual instructions.
7. Place a Gusset Plate against the Factory Control Arm and trace around it with a marker. The narrow end of the Plate should be flush with the end of the Upper Control Arm. See Fig (1)



Fig (1)

8. Grind the Control Arm in the areas that you just marked, removing all paint or rust.

***For Technical Assistance, call Competition Engineering's Tech Line at
(203) 458-0542, 8:30am-5:00pm Eastern Time***

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9. Place the Gusset Plate on the Upper Control Arm. Insure it is centered and Flush on the narrow end, clamp and tack weld in place. See Fig (2)



Fig (2)

10. Weld the Gusset Plate 1" at a time, crisscrossing to prevent warpage See Fig (3)



Fig (3)

11. Finish welding by filling in between previous welds.
12. Replace bushings per inst. included with them or per Factory Service Manual.
Note: Moroso performance recommends the use of our Part# C3168 Bushing And Bearing Kit. The C3168 kit will greatly enhance the performance of your vehicle when used in conjunction with this kit.
13. Re-install the Control Arm using the factory bolts. Torque to 75 ft lbs.

Lower Control Arms

1. Repeat steps 4 thru 9 for the Lower Control Arms. When clamping the Gusset Plate to the Control Arm, start at the front of the Control Arm and work toward the rear.



Fig (4)

Note: You will need to clamp the Gusset Plate in (3) locations. Ensure you have clamped the Gusset tightly against the Control Arm in each location before tack welding it to the Control Arm.

Note: Tack weld only the areas in close proximate to the clamp position.

2. Once the Gusset Plate is tacked in place follow the same welding procedure as you did for the Upper Control Arm. See Fig (5)



Fig (5)

3. Repeat steps (12) & (13).
4. Re-Install Control Arms in Vehicle per factory instructions. Torque to 90 ft lbs.
5. Reinstall Rear Coils and Shocks or ...consider the purchase of a **Moroso Coil-Over Conversion Kit Part#C2056. This is a complete bolt-on conversion that will take your car to the next level of performance.**