

## Mustang Billet Rear Lower Control Arm Kit

Part #R06030037

Application: 2005 - 2009 Ford Mustang

### Installation Instructions

Before installing your ROUSH Performance Product(s), read through the entire installation procedure and check to make sure all items are present. Contact ROUSH Customer Service at 1-800-59-ROUSH, 9:00 AM to 5:00 PM weekdays, for any questions regarding fit or instructions that are unclear to you.

#### Packaging List for Complete Rear Lower Arm Kit

Description	RPP ROUSH Part Number	Qty
Lower Control Arm – Driver Side	R06030034	1
Lower Control Arm –Passenger Side	R06030035	1
Installation Instructions	R06030052	1



#### Equipment and Supplies Required

- 18mm, 26mm and 28mm Wrenches or sockets (1/2" drive suggested)
- Torque Wrench with 75 to 200 Nm (50 to 150 lb-ft) capacity
- Pliers
- Two front lower control arm bolts, Ford Part No. W704886
- Two rear lower control arm bolts, Ford Part No. W704888
- Two forward lower control arm nuts, Ford Part No. W710089
- Two rearward lower control arm nuts, Ford Part No. W704991

## **LIMIT OF LIABILITY STATEMENT**

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. ROUSH Performance Products (RPP) reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.

## **SAFETY REQUIREMENTS**

**STOP! READ IMPORTANT SAFETY CAUTIONS AND WARNINGS BEFORE PROCEEDING.**

### **IMPORTANT SAFETY NOTICE**

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the actual installation.

1. Always wear safety glasses for eye protection.
2. Place ignition switch in the OFF position.
3. Always apply the parking brake when working on a vehicle.
4. Block the front and rear tire surface to prevent unexpected vehicle movement.
5. If working without a lift, always consult vehicle manual for correct lifting specifications.
6. Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
7. Do not smoke or use flammable items near or around the fuel system.
8. Use chemicals and cleaners in well-ventilated areas.
9. Batteries produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or flammable substances to come near the battery.
10. Keeps hands and any other objects away from the radiator fan blades.
11. Keep yourself and your clothing away from moving parts when the engine is running.
12. Do not wear loose clothing or jewelry that can get caught in rotating parts or scratch surface finishes.
13. Allow the engine, cooling system, brakes and exhaust to cool before working on a vehicle.

### **WORK SAFELY!**

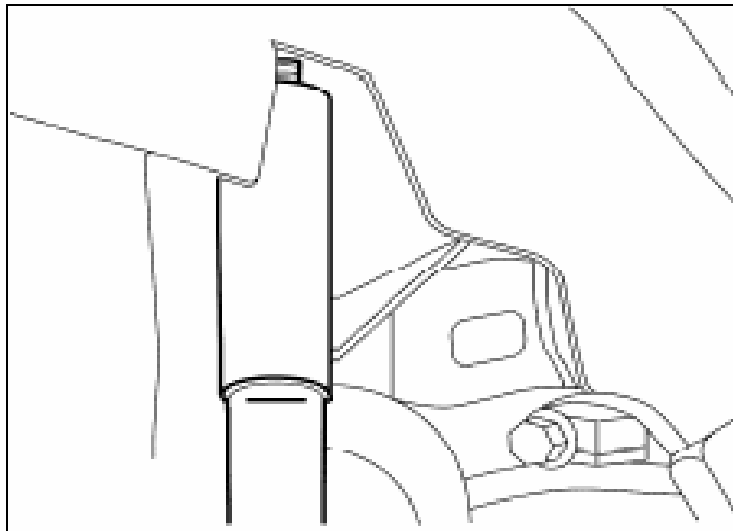
Perform this installation on a good clean level surface for maximum safety and with the engine turned off.

## Disassembly

### Important Notes:

- All photographs show the left hand side installation, unless noted (Right hand side is similar). All steps must be repeated for the right hand side.
- Perform a complete installation on one side at a time to keep the axle from shifting out of place during installation.

1. With the vehicle on level ground and at normal ride height, place a mark on each rear shock where the dust boot meets the body of the shock.



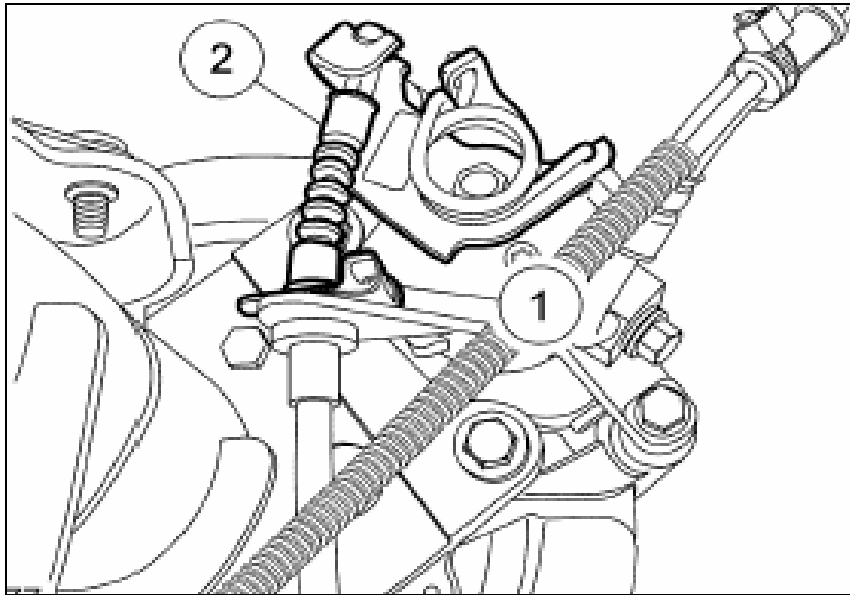
## Raise Vehicle

1. Locate a level, stable and clean surface, suitable for supporting the vehicle on jack-stands.
2. Chock front wheels.
3. Refer to the Owner's Manual to identify the correct location of the jack for raising the vehicle. Jack up the vehicle, and secure it on a pair of jack stands to the frame (not the rear axle), again referring to the Owner's Manual for jack location points.

**Warning: Never leave any vehicle supported by only a jack. Always use jack-stands. Serious injury and/or death may result.**

## Disconnect Emergency Brake Cables

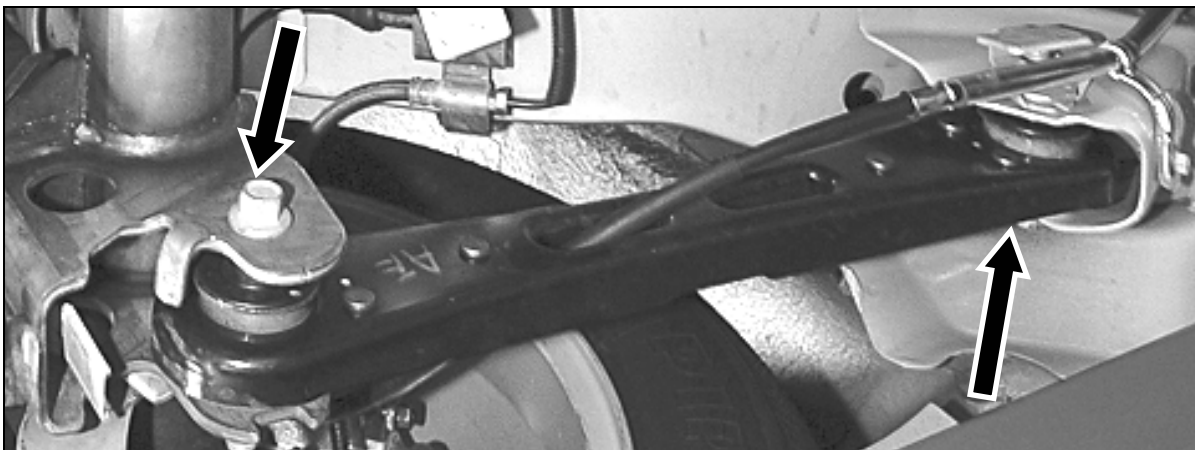
1. Remove the retaining clips (Item #1) that hold the Emergency Brake Cables to the Caliper Brackets. Remove the cables from the brackets.



2. Unclip the cable ends (Item #2) from the actuators. Pull the cables back out of the stock control arms.

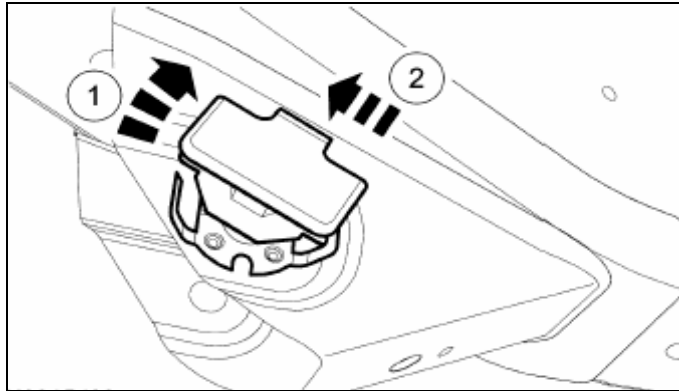
## Remove the Control Arms

1. Remove the stock rear control arm bolts. Discard the rear nut and both bolts.



2. Remove the stock control arm.

3. Remove the front control arm nut and retainer by rotating the assembly clockwise and sliding the retainer out sideways.

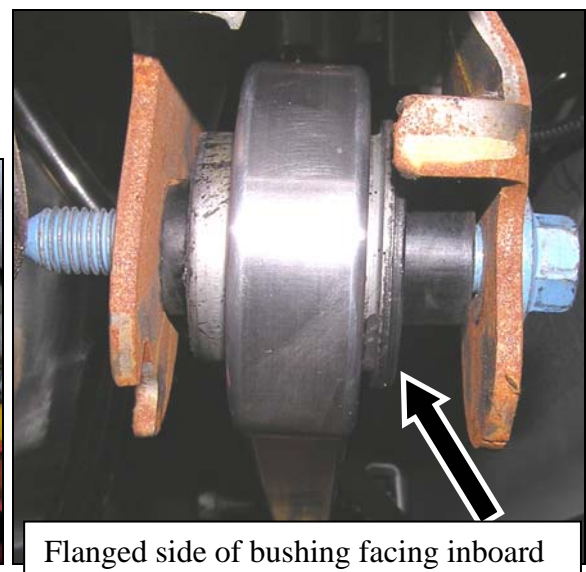


## Assembly

### Install the Control Arms

1. Note the position of the ROUSH logo and place the control arm into the mounting pockets with the bushing flanges inboard and the wider bushing to the rear.

**Hint:** When the arms are placed in their correct left and right positions, the engraved “ROUSH” will be upright and flanged side of the bushings in the arm will face inboard.



2. Install a new front bolt and nut but do not fully tighten.
3. Install the rear bolt and nut but do not fully tighten. It may be necessary to push the axle for/aft to align the holes

4. Raise the axle until the marks placed on the shock are aligned and tighten both lower control arm bolts to 175Nm (129 lb-ft).
5. Repeat these steps for the opposite side arm.

### **Connect Emergency Brake Cables**

1. Route the Emergency Brake cables through the control arms and to the calipers.
2. Hook the end of the cables into the actuator arm and slip the cables back into the caliper brackets.
3. Install the cable retaining clips.
4. Lower the vehicle. Test drive.

**Congratulations!!!** You have completed the installation of the ROUSH Performance Products, Mustang Billet Rear Lower Control Arm Kit. It is recommended that you save all parts removed from your vehicle during the installation of this kit.



## **WARRANTY**

All retail parts carry a 90-day warranty from the date of purchase. This warranty covers defects in materials or workmanship, and does not include (i) normal wear and tear, environmental conditions, improper installation; (ii) road hazards, misuse, abuse, neglect, accidents, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle; (iii) misusing the vehicle, such as driving over curbs, overloading, racing, or using the vehicle as a stationary power source; (iv) altering, disassembling or modifying the parts; (v) defects caused or induced by failures, breakdowns, or damage by other parts, components or the vehicle; (vi) subjecting the parts to excessive moisture or water or any motor vehicle fluids (e.g.: oil, anti-freeze, battery acid, brake fluid, etc.); (vii) acts of God, natural disasters and other similar causes beyond the reasonable control of ROUSH; or (viii) application of chemicals that affect the parts. This Limited Warranty does not cover surface deterioration of paint, trim, and appearance items that result from use and/or exposure to the elements, such as stone chips, scratches, bird droppings, lightning, hail, windstorm, dings, dents, earthquake, road salt, tree sap, water or flood.

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