

JPC Racing Adjustable Upper Control Arm (05-14)

Time necessary: 1-2 hours

Tools required:

- Floor jack
- Ramps (optional)
- Jackstands
- ½" ratchet (or Impact Wrench, preferably)
- 10" 1/2" extension
- 18mm deep socket
- 21mm deep socket
- 24mm socket
- 27mm socket
- 30mm socket or wrench
- 24mm wrench (or second ratchet)
- 27mm wrench (or 1-1/8" combination wrench)
- Adjustable wrench, at least 10"
- Blue Loctite

Removal Procedure:

1. If using ramps, back car onto ramps. Set emergency brake.
2. Use floor jack to lift one side of car high enough that rear wheel is off the ramp. Put Jack Stand under vehicle.
3. If using Floor Jack only, jack car high enough where rear wheels will not touch the ground when setting on jack stands.

4. Remove rear seat by pushing in and lifting on each side at bottom of seat where seat meets the floor. Lift seat out.



5. Using 24mm socket, remove bolt at top center of floor under seat.



6. From underneath car, using the ratchet or impact gun, extension and 18mm socket, remove the 2 bolts holding the bracket to the body.





7. Using the ratchet or impact wrench and the 21mm socket, remove the bolt and nut from the other end of the bracket which is attached to the top of axle housing.



8. The entire unit can now be removed, pulling it out behind the axle.
9. Using the ratchet and 24mm socket OR 24mm wrench on one side of the bolt holding the control arm to the bracket and using the 2nd ratchet and 27mm socket on the other end of bolt, remove nut from

bolt and remove factory upper control arm.



- 10. Place new control arm next to factory control arm and place the bolt between both control arm ends.**



- 11. Unscrew the new control arm until the holes at the other end of the control arm are the matching.**
- 12. Tighten the nuts down on the new control arm to lock in place using the 1-1/8 wrench and 10" adjustable wrench.**



13. Using the new bolt, bushings, washer and locknut, install the narrow end of the control arm in the factory bracket. Use the 27mm and 30mm sockets or wrenches to tighten.



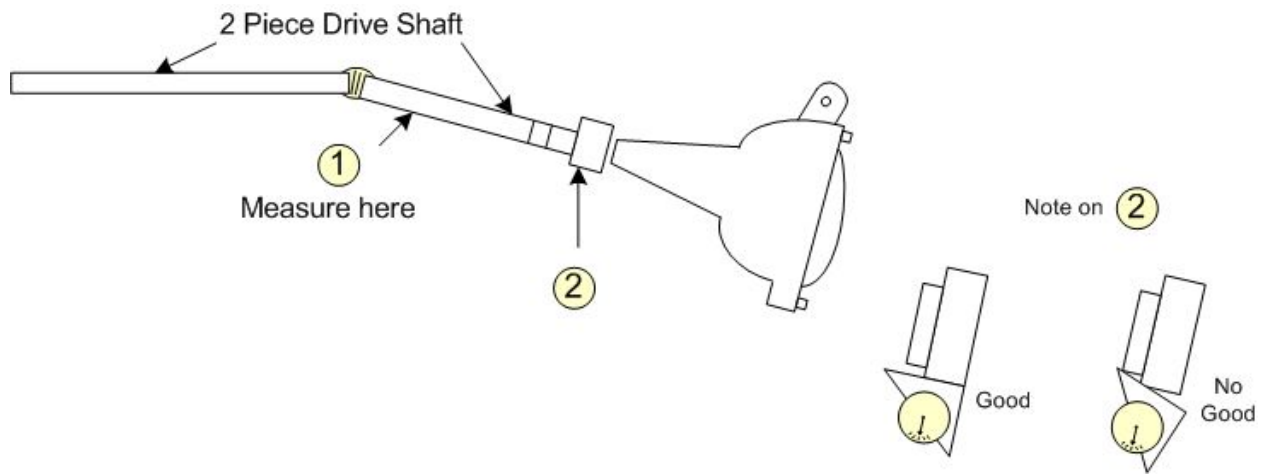
Installation procedure:

1. EVERYTHING FROM HERE ON FOR INSTALLATION IS THE EXACT OPPOSITE OF THE REMOVAL. Put the new unit back in from the rear of the axle, going OVER the rear axle to put it in place. Put the wide bracket of the new Upper Control Arm over the top of the axle and using blue Loctite on all bolts, insert the factory bolt and nut that was removed earlier.
2. Reinstall the 2 bolts through the mount and into the body and tighten. Note: You will have to use a 18mm socket, wrench or adjustable wrench on the end of the Axle Housing bolt as the new control arm does not have the 'stop' on it for the factory bolt to ride against.
3. DON'T FORGET TO REINSTALL THE BOLT IN THE BACK SEAT OF THE VEHICLE!!



4. Refer to the diagram below. Using an angle gauge or smartphone app (I use 'Inclinometer' from the Google Play Store), check the degrees of pinion angle from the driveshaft to the axle housing. For example, if the driveshaft (1) measures 2 degrees and the pinion (2) measures -2 degrees, your angle is 0 degrees. NOTE! THIS EXPLANATION IS FOR VEHICLES WITH THE 2 PIECE DRIVESHAFT WHICH COMES STOCK ON THE S197. (I will not try to tell you the correct angle as everyone has different ideas.) Loosen the adjusting nuts on the new control arm and adjust for correct angle as

needed. Retighten adjusting nuts.



5. Reinstall rear seat, making sure to pull seat belts through the holes. Push down on the seat and it will snap into place.



6. Raise vehicle off jack stands and lower vehicle. ENJOY!!



Installation Instructions written by AmericanMuscle Customer Larry Davis 10.24.2014