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INSTALLATION INSTRUCTIONS

P/N 52301, 52303, 52305
QA1 Mopar Upper Control Arms

READ ALL INSTRUCTIONS CAREFULLY AND THOROUGHLY PRIOR TO STARTING INSTALLATION. PRODUCTS THAT HAVE BEEN INSTALLED ARE NOT ELIGIBLE FOR RETURN. USE THE PROPER JACKING LOCATIONS. DEATH OR SERIOUS INJURY CAN RESULT IF INSTRUCTIONS ARE NOT CORRECTLY FOLLOWED. A GOOD CHASSIS MANUAL, AVAILABLE AT YOUR LOCAL PARTS STORE, MAY ALSO AID IN YOUR INSTALLATION.

• DISCLAIMER / WARRANTY •

QA1 WARRANTS THAT THE PRODUCTS WILL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR ONE YEAR FROM DATE OF SALE TO THE ORIGINAL PURCHASER. QA1 MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. QA1 SHALL HAVE NO OBLIGATION UNDER THE FOREGOING WARRANTY WHERE THE DEFECT IS THE RESULT OF IMPROPER OR ABNORMAL USE, YOUR NEGLIGENCE, VEHICLE ACCIDENT, IMPROPER OR INCORRECT INSTALLATION OR MAINTENANCE, NOR WHEN THE PRODUCT HAS BEEN REPAIRED OR ALTERED IN ANY WAY. QA1'S LIABILITY IN THE CASE OF DEFECTIVE PRODUCTS SUBJECT TO THE FOREGOING WARRANTY SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT, AT QA1'S OPTION, OF THE DEFECTIVE PRODUCTS.

THE USER UNDERSTANDS AND RECOGNIZES THAT RACING PARTS, SPECIALIZED STREET ROD EQUIPMENT, AND ALL PARTS AND SERVICES SOLD BY QA1 ARE EXPOSED TO MANY AND VARIED CONDITIONS DUE TO THE MANNER IN WHICH THEY ARE INSTALLED AND USED. QA1 SHALL BEAR NO LIABILITY FOR ANY LOSS, DAMAGE OR INJURY, EITHER TO A PERSON OR TO PROPERTY, RESULTING FROM THE INSTALLATION, DIRECT OR INDIRECT USE OF ANY QA1 PRODUCTS OR INABILITY BY THE BUYER TO DETERMINE PROPER USE OR APPLICATION OF QA1 PRODUCTS. WITH THE EXCEPTION OF THE LIMITED LIABILITY WARRANTY SET FORTH ABOVE, QA1 SHALL NOT BE LIABLE FOR ANY CLAIMS, DEMANDS, INJURIES, DAMAGES, ACTIONS, OR CAUSES OF ACTION WHATSOEVER TO BUYER ARISING OUT OF OR CONNECTED WITH THE USE OF ANY QA1 PRODUCTS. MOTORSPORTS ARE DANGEROUS; AS SUCH, NO WARRANTY OR REPRESENTATION IS MADE AS TO THE PRODUCT'S ABILITY TO PROTECT THE USER FROM INJURY OR DEATH. THE USER ASSUMES THAT RISK!

TOOLS AND SUPPLIES REQUIRED

- Floor Jack
- Ratchet & SAE Socket Set
- Jack Stands
- Ball Joint Separator
- SAE Wrenches

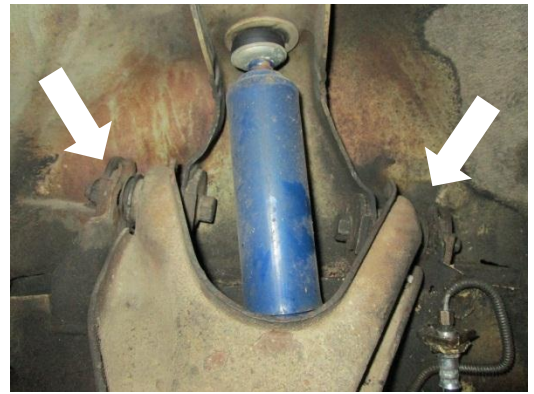
PRE-INSTALLATION NOTES:

1. A front end alignment should be performed by a qualified alignment shop after any changes to the suspension system.
2. QA1 also offers: Eccentric Camber Bolt Adjusters (P/N 52361) for the Mopar A/B/E Body cars, Dynamic Strut Bars for A-Body (P/N 52311) and B-Body (P/N 52312) and Heavy Duty Tie Rod Sleeves (P/N 52324 for 11/16" thread and P/N 52325 for 9/16" thread).

DISASSEMBLY INSTRUCTIONS

1. Raise and support the vehicle by the frame with jack stands on a stable surface and remove front wheels.
2. Support the lower control arm with a jack to take weight off of the droop stop.

3. Locate and note orientation of the factory cam adjuster bolts on the upper control arms. See figure 1.
4. Make an alignment mark on the eccentric washer and control arm mount with a marker or punch.
5. Remove the cotter pin and loosen the upper ball joint nut. Do not remove the nut at this time.
6. Separate the upper ball joint from the spindle using the appropriate tool. i.e. ball joint separator or pickle fork.
7. Remove the ball joint nut. Support the spindle and brakes making sure they are not hanging by the brake hose as this may cause damage to the brake hose.
8. Loosen and remove factory camber bolts and remove the control arm. Note: It may be necessary to remove the shocks on some cars for clearance. Removal of the access panels on the inner fender will make removal and installation of the camber bolt nuts easier.



INSTALLATION INSTRUCTIONS

1. Set the new QA1 upper control arm in place and insert the camber bolts in the same orientation they were removed. Leave the bolts loose for now.
2. Connect and tighten the upper ball joint. Torque to the factory specification and insert a new cotter pin.
3. Reinstall wheels and tires.
4. With the car sitting on the ground or wheel stands, align the marks that you made on the eccentric washer tighten the camber bolts to 42 lb. ft.



Note: A front wheel alignment should be performed by a qualified alignment shop after any changes to the suspension system.

Alignment Recommendations

Camber	0 to -1/2 degrees
Caster	+2 to +4 degrees

To further upgrade your suspension, use other QA1 suspension products such as coil overs, shocks, struts, springs, K-members, torque arms, panhard rods, subframe connectors, strut tower braces, rod ends, sway bars, tubular control arms, spherical bearings, etc. For more information, please visit www.QA1.net.