

QA1 Caster Camber Plates (79-89 all)

Time Needed: About 2 hours

Tools Needed: Socket for lug nuts 13/16 or 6 spline tool is the most common, 17mm socket, 15/16 socket, 3/4 socket, 9/16 socket, 15/16 wrench, vise grips, floor jack, 2 jack stands

Removal Procedure:

Step 1: Engage parking brake.

Step 2: Use the floor jack to lift the front end up until the tires are off the ground.

Step 3: Place a jack stand under the sub frame on each side of the car.

Step 4: Lower the front end onto the jack stands so they are supporting the front of the car.

Step 5: With a 13/16 socket or 6 spline lug tool remove all the lug nuts and pull both front tires off the hub.



Step 6: With a 17mm socket remove the two bolts that hold the caliper onto the spindle. Repeat for both sides



Step 7: Pull the caliper from the rotor and hang from a hole in the fender well with a bungee cord so the brake line is not supporting the weight.



Step 8: Pull the lever inside the car to release the hood, unlatch the hood from the front and use the hood prop to keep the hood open.



Step 9: Looking at the top of the strut from under the hood you will see a machined spot at the end of the threaded stud, Take the vise grips and clamp them on the end of the threaded stud.



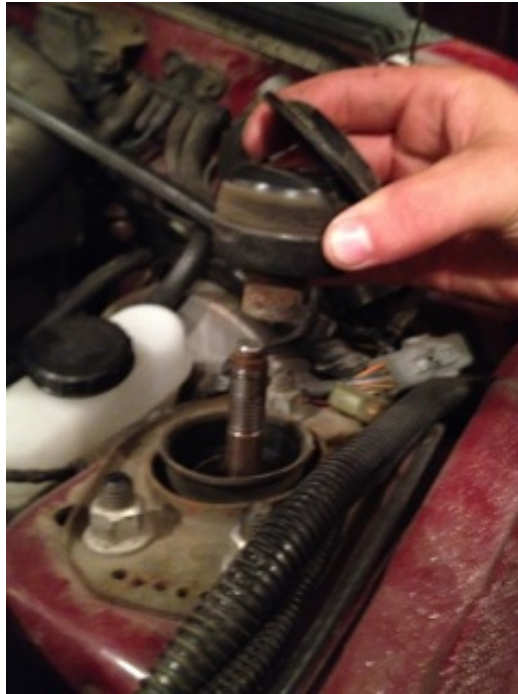
Step 10: Take the floor jack, slide it under a front control arm and jack it up a ½ inch or so, just enough so the strut starts to compress.



Step 11: While holding the vise grips take the 15/16 wrench and unscrew the nut holding the strut to the old caster camber plates.



Step 11 continued: With the nut off remove the top cap and bushing from the strut shaft.



Step 12: Using a 15/16 socket on the nut and a 13/16 socket on the bolt that holds the strut to the spindle, Remove the two nuts.



Step 13: With the two nuts removed, hold the strut with one hand and use the other to remove the two bolts that hold the strut to the spindle.

Step 14: Pull the strut down and out of the car.



Step 15: With the 9/16 socket remove the three nuts holding the stock caster camber plates to the strut tower.



Step 15: Pic continued.

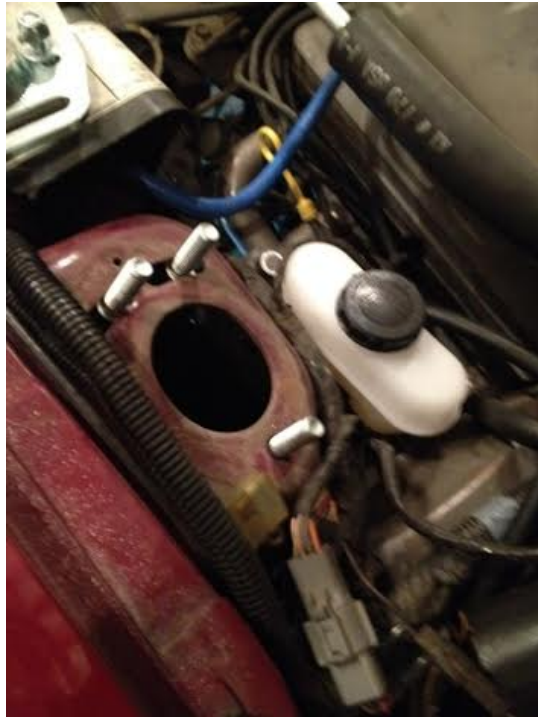


Installation Procedure:

Step 1: Disassemble the new Caster camber plates, keep all pieces separated and remember the order they were in.



Step 2: Take the Half circle, L-shaped, Lower plate and put it up through the holes on the strut tower from the bottom.



Step 3: place 3 washers and each stud followed by the 3 spacers.



Step 4: Take the upper caster camber plate and meet it up with the lower plate. Slide it down onto the three studs.



Step 5: Place 3 more washers on each stud followed by 3 nuts.



Step 6: There are 6 spacers that came with the Caster Camber plates, Organize the 6 spacers. There should be 2 long spacers and 4 short spacers.



Step 7: Slide a long spacer followed by a short spacer onto the strut.



Step 8: slide the strut up through the caster camber plate.



Step 9: Slide one short spacer followed by a nut over the strut shaft. Thread the nut on as far as possible by hand.



Step 10: Take the bottom of the strut and line up the two holes with the holes on the spindle and insert both bolts and thread on both nuts.



Step 11: Using the 13/16, and 15/16 socket tighten the nuts to 165 ft-lbs.





Step 12: Center the strut in the caster camber plate and tighten the three 13/16 bolts. Torque to 65 ft-lbs

Step 13: Tighten the two 9/16 nuts. Torque to 40 ft-lbs

Step 14: Clamp the vise grips back onto the strut shaft and use the 15/16 wrench to tighten the bolt.

Step 15: Take the brake caliper and slide it back over the rotor lining up the two bolt holes.





Step 16: Insert the two bolts and tighten using a 17mm socket.

Step 17: Place the wheel back onto the hub and thread the lug nuts onto the lugs.
Torque to 95 ft-lbs

Repeat removal procedure steps 6-15 and installation steps 1-17 for both sides.

Finishing Procedure:

Step 1: Using floor jack lift the front end of the car off the jack stands and remove. Lower the car back to the ground.

Final step: Take your car to get professionally aligned and enjoy your new caster camber plates.

Before and After Pics



Installation Instructions written by AmericanMuscle Customer Vance Clark 10.30.2014