

## PART NO. 13410

# SPC PERFORMANCE

## Instruction Sheet ADJUSTABLE FRONT ARMS

*This part should only be installed by personnel who have the necessary skill, training and tools to do the job correctly and safely. Incorrect installation can result in personal injury, vehicle damage and / or loss of vehicle control.*

### Plan Ahead - Read All Instructions **BEFORE** installing part.

Check for loose or worn parts, proper tire pressure, and odd tire wear patterns before beginning alignment.

1. Loosen OE front upper control arm mounting bolts.



**TECH TIP:** There is no need to raise the vehicle for upper control arm replacement if one side is fully replaced at a time.

2. Remove hardware and OE arm. Retain hardware for later use.
3. Configure SPC control arm so small jam nut is closest to xAxis™ end and large jam nut is closest to adjusting hex, see **Figure 1**. Use adjusting hex to adjust SPC arm to approximately same length as OE. Ensure equal threads are visible before and after adjusting hex.
4. Install SPC arm onto vehicle using OE hardware. Tighten each bolt to manufacturer's specification.
5. Use adjusting nut to achieve desired pinion angle and caster specifications.

**NOTE:** Both ends of control arm can be fully torqued at this point if vehicle was not raised. If vehicle was raised, OE bushing hardware should not be torqued until vehicle returns to ride height. Tightening bushing fastener with vehicle in raised position may cause premature bushing failure.

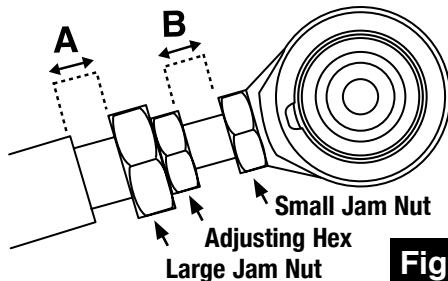
**NOTE:** Front caster can only be changed evenly- cross caster adjustment is not possible using these arms.

**WARNING:** The gap between end of control arm and large jam nut, Measurement 'A', and the gap between the adjusting hex and small jam nut, Measurement 'B', must be equal, and neither may exceed 9/16" (14.3mm), see Figure 1. Exceeding the range of adjustment may cause the arm to fail and void the warranty.

6. Tighten large jam nut firmly against end of control arm, and small jam nut firmly against adjusting nut. Verify xAxis™ and its housing are square in control arm bracket.
7. Complete alignment and road test vehicle.

**Always check for proper clearance between suspension components and other components of the vehicle.**

Measurements 'A' & 'B' should be equal and neither may exceed 9/16" (14.3mm)



**Figure 1**



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