

PART NO. 82375

JL FRONT CASTER/PINION CAM

Instruction Sheet

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

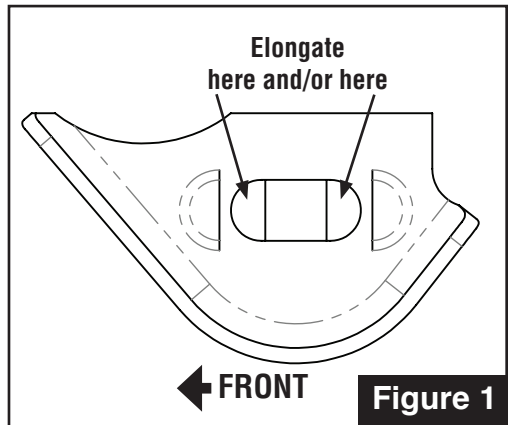
Check for loose or worn parts, proper tire pressure, and odd tire wear patterns before beginning alignment.

1. Complete install on one side of vehicle at a time, this can be done without raising vehicle.
2. Remove front lower control arm to axle bolt.
3. Loosen bolt at rear end of front lower control arm and lower front end of control arm from axle bracket.
4. Use rotary file (SPC #85130 or similar) to elongate factory holes in axle bracket approximately 7/16" [10mm] in desired direction to provide for pinion angle adjustment. To decrease caster/raise pinion, elongate slots towards the front; to increase caster/lower pinion, elongate towards the rear. (**Figure 1**)
5. Raise control arm back into axle bracket then Install #82375 cam bolts by placing one cam washer onto bolt, then slide bolt through axle bracket and control arm. Install second cam washer and nut onto bolt. Leave fastener slightly loose for adjustment.
6. Repeat steps 2 through 5 for second side. (Cams must be installed on both sides to change caster/pinion angle, cross caster cannot be adjusted with cams.)
7. Adjust caster/pinion angle by rotating cam bolts until desired caster/pinion angle is as achieved.

NOTE: Both right and left cams must be in same relative position.

8. When desired caster/pinion angle is achieved, prevent bolt from rotating and torque nut to 125lb-ft [170Nm]. Torque OE rear control arm fastener to factory specifications.
9. Complete alignment and road test vehicle.

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



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