

PART #	DESCRIPTION
22013	2007+ JEEP WRANGLER JK CASTER CAM KIT

**\*\* READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE! \*\***

**\*\* WARNING! ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS. \*\***



Required Parts List
Part #22013
Components & Hardware Included
(2) Jeep JK Caster Cams

### Tools Required:

21mm Wrench	21mm Socket
3/4" Socket	Torque Wrench
Punch Tool (Part #22017)	

## BEGIN INSTALLATION

### FRONT AXLE CASTER & PINION ANGLE (+/- 1.5 DEGREE)

1. Raise the vehicle by the frame.
2. Remove the front lower control arm to axle bolts one at a time (see fig.1).

fig.1



3. Remove knock-out tabs on frame bracket using punch tool (Part #22017). Remove the tabs by pressing from the outside to inside of the frame bracket (see fig.2 and fig.3). Trim any metal burrs.

fig.2



fig.3



4. Install the cam bolts by placing one cam at the head of the bolt, slide the bolt through the axle bracket and control arm, then place another cam washer on the bolt and then the locknut

5. Repeat for other side making sure cam washer sets in recess on axle bracket.

6. To adjust, loosen locknut and rotate cam bolt. BOTH RIGHT AND LEFT CAM BOLTS MUST BE IN THE SAME RELATIVE POSITION.

NOTE: Cross-caster cannot be set on this type of axle. Having the bolts in different positions on each side will load the bushings and possibly cause setback problems.

7. Using a torque wrench, tighten locknut to 85 ft. lbs.

8. Check alignment and/or pinion angle readings and road test vehicle.

#### REAR AXLE CASTER & PINION ANGLE (+/- 1.5 DEGREE)

1. Raise the vehicle by the frame.

2. Remove the rear upper control arm to axle bolts one at a time.

3. Remove knock-out tabs on frame bracket using punch tool (part #22017). Remove the tabs by pressing from the outside to inside of the axle bracket. Trim any metal burrs.

4. Install the cam bolts by placing one cam at the head of the bolt, slide the bolt through the axle bracket and control arm, then place another cam washer on the bolt and then the locknut

5. Repeat for other side making sure cam washer sets in recess on axle bracket.

6. To adjust, loosen locknut and rotate cam bolt. BOTH RIGHT AND LEFT CAM BOLTS MUST BE IN THE SAME RELATIVE POSITION.

NOTE: Cross-caster cannot be set on this type of axle. Having the bolts in different positions on each side will load the bushings and possibly cause setback problems.

7. Using a torque wrench, tighten locknut to 85 ft. lbs.

8. Check alignment and/or pinion angle readings and road test vehicle.

***RETORQUE ALL NUTS, BOLTS, AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.***

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Icon Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty.

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