



## #J5408 Installation Instructions Jeep Wrangler TJ, Jeep Grand Cherokee ZJ Rear Pinion Cam Locks

### Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

#### » PRODUCT SAFETY WARNING

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

#### » TECHNICAL SUPPORT

*Live Chat* provides instant communication with Zone tech support. Anyone can access live chat through a link on [www.zoneoffroad.com](http://www.zoneoffroad.com).

[www.zoneoffroad.com](http://www.zoneoffroad.com) may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to [tech@zoneoffroad.com](mailto:tech@zoneoffroad.com) detailing your issue for a quick response.

**888.998.ZONE** Call to speak directly with Zone tech support.

#### Difficulty Level

easy 1 **2** 3 4 5 difficult

Estimated installation: 1 hours

#### Special Tools Required

Rotary Grinding Tool

#### » PRE-INSTALLATION NOTES

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

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## Kit Contents

Qty	Part
4	Pinion Cam Lock Plates
1	Bolt Pack

## INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Raise the rear of the vehicle with a jack and support with jack stands under the frame rails. Support the rear axle with the jack.
3. Remove the passenger's side upper control arm bolt at the axle. Place one of the provided offset cam washers between the two tabs located on the axle mount on each side of the original control arm hole. Position the washer so that the hole is closer toward the front of the vehicle and even (up and down) with the existing hole. Mark the perimeter of the hole using the washer as a guide. **Figure 1** Remove the washer.
4. Notice the hole marking just made is located in a factory perforated section of the mount. Using a rotary grinding tool, remove the perforated section of the mount where the mark was made. Repeat this on the other side of the mount.
5. Loosely attach the passenger's side upper control arm to the modified mount with the provided 10mm x 80mm bolt, nut and washers along with a two cam washers. The cams will be set in the appropriate position after the driver's side mount has been modified.
6. Remove the driver's side upper control arm bolt at the axle and repeat the modification that was done to the passenger's side.
7. With both upper mounts modified, snug the upper control arm hardware so that the cams are offset toward the front of the vehicle and position flat against the mount, between the tabs. The upper control arm bolts will set to the correct torque with the weight of the vehicle on the suspension.
8. Remove the jack stands and lower the vehicle to the ground.
9. Torque the new upper control arm bolts at the axle to 45 ft-lbs.



Figure 1