

Installation Manual
Hard-Arm™ Suspension: Upgrade kit
1984 - 2001 Jeep Cherokee
Last Revision No.: 3/1/07



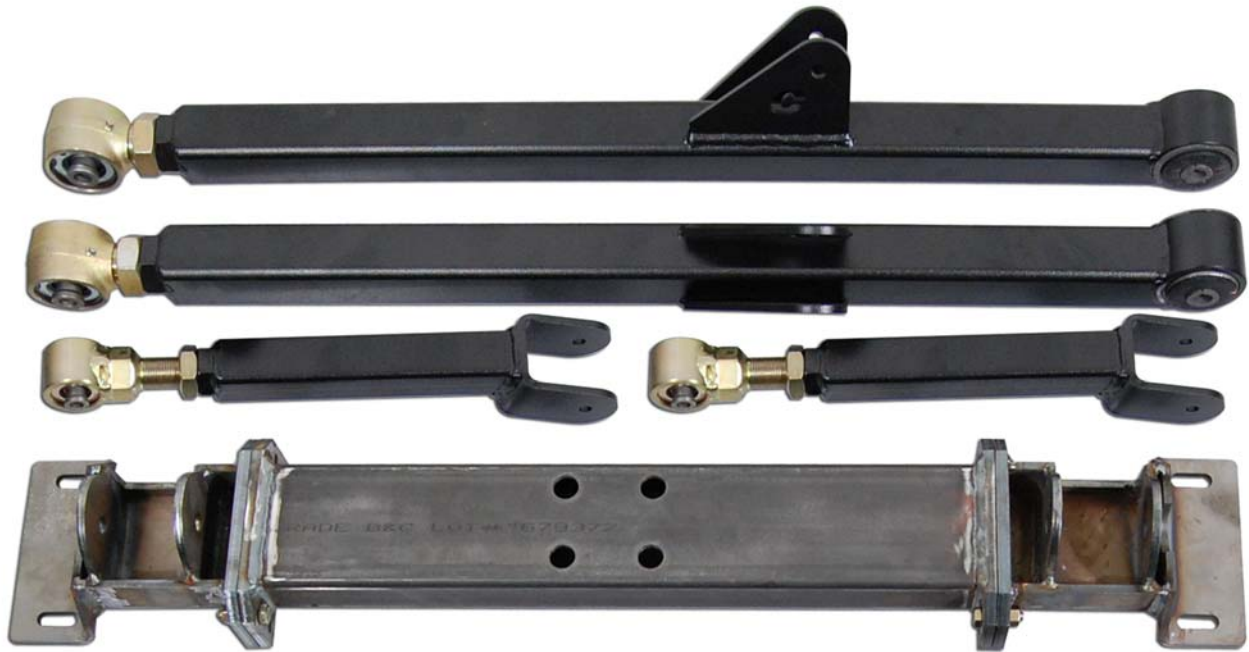
Thank you for purchasing a Clayton Off Road Mfg Long arm suspension.

Please check to make sure you have all necessary parts before you start your install.

Automatic model the 3/8 cross member plates will align. No drop is needed.

Manual models the 3/8 cross member plates do NOT align. A 1-inch drop is needed.

- Peugeot transmission requires a custom adapter plate.



- Front half**
- 2 lower long arms
 - 2 shorter upper arms
 - o driver side uses bent arm to clear housing
 - (2) 9/16's gold bolts
 - (2) 7/16's gold greaseable bolts
 - (2) 10mm silver upper control arm bolts
 - 3 piece cross member
 - 1 bag containing (8) 3/8s bolts, (8) washers and (8) nuts

If you are missing any of the above items, or are unclear about what parts you need to call and ask before you begin your installation process.

(203) 757-0339
sales@claytonoffroad.com

Installation Manual

Hard-Arm™ Suspension: Upgrade kit

1984 - 2001 Jeep Cherokee

Last Revision No.: 3/1/07

WARNING: Suspension systems and their components are designed to enhance your vehicles offroad performance. This may cause your vehicle to handle differently then it did from the factory. These systems and any components should be installed by certified technicians. Attempts to install these products without proper knowledge can lead to poor performance, or possible failure, which may jeopardize the safety of the vehicle and its passengers. Take extra care when operating a modified vehicle and thoroughly inspect your vehicle before and after every offroad use.

Tool requirements

1. 175A or greater mig welder
2. Plasma cutter and or a good 4.5" grinder with cut off wheels.
3. Four large jack stands, ramps or a 4-post drive on lift works best.
4. Various wrenches and shop tools for removing and installing control arms.
5. A 1 7/16 wrench is needed to tighten the upper control arm jam nuts, and a 46mm wrench is needed to tighten the lower control arm jam nuts.

Front Arms Installation Procedures

1. Raise truck up on jack stands, ramps or lift.
2. Remove transfer case skid plate.
3. Put a floor or bottle jack under the transfer case to support it.
4. Remove cross-member by removing the two bolts on each side and the four center bolts.
5. Wire wheel or grind paint away for welding.
6. Find the front of the new cross member. Reference your old cross member for proper transmission mount location. The plates where the new control arms mount should angle the control arms out. Openings should face forward. Put the eight-flange plate bolts in, the nuts and lock washers go on the inside and tighten.
7. Center the new cross member and secure it using the two mounting holes on each side.
8. Make three welds on each side where the cross member contacts the uni-body frame rail, one on the end and one down each side. Make sure these are good welds!

Installation Manual

Hard-Arm™ Suspension: Upgrade kit

1984 - 2001 Jeep Cherokee

Last Revision No.: 3/1/07



9. Remove jack from transfer case.
10. Take a measurement from the center of the bolt on the lower control arm mount axle side to the center of the new mounting hole on the cross member on each side.
11. Adjust the control arms to this length for each side.
12. Remove one lower control arm.
13. Cut the control arm mount off of the uni-body as close as possible using a plasma cutter or cut off wheel. Upper mount does not need to be removed.
14. Grind any extra off to make it look as neat as possible.
15. Spray paint bare metal to prevent rusting.
16. Install control arm. Upper control arm mount should be angled in.
17. Rubber bushings should be located at the axle side reusing your OEM control arm bolts. Use the supplied gold 9/16's bolts at the frame side to attach control arm.
18. Repeat steps 13 to 18 for the other side.
19. Measure distance from the center of the control arm bolt on the axle back to the new mounting point on the upper arms.
20. Adjust new control arms to these measurements.
21. Remove one side at a time and install new arms.
22. Drive side upper control arm is bent to clear hi-pinion housings. Use the gold 7/16s bolt at the adjuster side where it connects to the lower long arm. The supplied silver 10mm bolts are used at the axle upper bushing end.
23. The axle may have to be moved forward a lower control arm length of 36" is about where you should be.
24. Tighten all mounting bolts and adjustment locking nuts. Make sure articulating joint is centered.

Installation Manual

Hard-Arm™ Suspension: Upgrade kit

1984 - 2001 Jeep Cherokee

Last Revision No.: 3/1/07

25. Grease all articulating joints.
26. Finished cross member with arms installed should look like this.



Installation Manual

Hard-Arm™ Suspension: Upgrade kit

1984 - 2001 Jeep Cherokee

Last Revision No.: 3/1/07

Damage or Missing Parts Policy: If you receive a product that is damaged or missing parts you must contact us within 14 days to arrange replacement. You maybe required to submit photos of damaged parts before new parts are sent. Damage parts maybe request to be returned for inspection.

Return Policy: You have 30 days to return a product in it original packaging. Parts cannot have been installed, painted and/or modified in any way. You must contact us to obtain a RGA # (Return Goods Authorization) before shipping your product back. All returns are subject to a 15% restocking fee. Your return must have the return authorization number clearly marked on the outside of the package and must be shipped prepaid. Packages shipped COD will be refused. Return's are subject to inspection and maybe refused if they are damaged or used. You are responsible for proper shipping to ensure product is not damaged or lost. We recommend insuring your product for the full amount in the case it is damaged or lost during return shipment.

Warrantee Policy: Clayton Off Road Mfg. comes with our abuse proof limited lifetime warrantee against bending or breaking our control arms only. This covers the original purchaser of our suspension lift. This warrantee cannot be transferred to a secondary purchaser and is void if the control arm is modified in any form or not used in its proper application. Original purchaser must obtain a RGA # and is responsible for shipping the product back and agrees to return shipment charges. This warrantee does not cover worn bushings, missing snap rings, or any kind of rust damage to the threads or inserts or actual arm.

What is not covered:

Clayton Off Road Mfg. components may have minor finish damage to powder coated or plated surfaces, which may occur during shipping and is not covered under warranty. Johnny Joint bushings, washers, snap rings, OEM rubber bushings, hardware, brake lines, shocks, springs, skid plates, trackbars, and any mounting brackets are not covered. These parts are subject to wear and are not considered defective when worn. They are warranted for 90 days from the date of purchase for defects in workmanship only. Products or components which have been subjected to abuse, accident, alteration, modification, improper installation, tampering, negligence, misuse, or products installed on a vehicle used in sanctioned racing events. A race is defined as any contest between two or more vehicles, or any contest of one or more vehicles against the clock, whether or not such contest is for a prize.

Clayton Off Road Mfg. is not responsible for any retail parts that maybe sold.

Clayton Off Road Mfg. shall not be liable for any loss, damage or injury, whether ordinary, direct, special, incidental or consequential damages, arising from the manufacture, sale, installation, resale, delivery, possession, handling or use of its products.

Clayton Off Road Mfg. is not responsible for typographical errors either in pricing or in content.

Warranties, policies and prices subject to change without notice.