

JOHNNY JOINT® PERFORMANCE ROD ENDS

**CE-9100 JEEP TJ WRANGLER & LJ UNLIMITED JOHNNY JOINT® CONTROL ARM SET
INSTALLATION INSTRUCTIONS & TECHNICAL MANUAL**



Fits

Fits: 1997-2006 Jeep TJ Wrangler & LJ Unlimited.

Kit Includes

1) CE-9102 Front Upper Control Arms (pair)

1) CE-9103 Rear Upper Control Arms (pair)

2) CE-9106 Lower Control Arms (pair)



Required Tools

- Complete set of hand tools.

Instructions

- 1) Check the lengths of all of the new Johnny Joint® control arms prior to installing. Compare the length of your existing control arms to the new RockJock arms. When measuring, measure from the center of the thru bolt hole to the center of the thru-bolt hole on the other end. This measurement can also be determined by measuring the overall length of the control arm and subtracting 2" for upper arms and 2 1/2" for lower arms.
- 2) RockJock control arms come preset for a TJ with a 4" lift, a transfer case slip yoke eliminator kit and a CV driveshaft.
Front upper arms - 15" c-c
Rear upper arms - 13 1/2" c-c
All lower arms - 15 3/4" c-c
- 3) When custom adjusting the arms for your application, you should never have any less than 3/4" of thread engaged into the arm. If your application is requiring you to adjust the rod ends out to a point where you would have less than 3/4" of thread engagement, you should contact the RockJock technical department to discuss your application and installation.
- 4) The upper control arms are supplied with 7/16" bolts. The upper control arm frame and housing brackets on Jeep TJ's have metric holes. You will need to ream out these metric holes with a 7/16" hole to accommodate the 7/16" bolts. Torque the 7/16" bolts to 50 ft lbs. of torque.
- 5) Some factory front axle housings have a cam bolt attaching the stock front lower control arms to the control arm axle brackets. Our lower control arms are supplied with large washers to eliminate this cam bolt arrangement, because, obviously you have adjustable control arms now and don't need the cam bolt to do your adjustments. The second set of large washers, that are in the second lower control arm box can be discarded as this does not apply to the rear axle. Torque all of the 9/16" bolts on the lower control arms to 90 ft lbs. of torque.
- 6) After you are satisfied with your caster angle in the front and your pinion angle in the rear, tighten all jam nuts. The upper arms require a 1 1/4" wrench, and the lowers require a 1 1/2" wrench - or a big Crescent wrench! Slide a screwdriver or something of that nature in between the body of the Johnny Joint and the bracket to hold the Johnny Joint straight when you tighten the jam nuts. This keeps the arms in a neutral position.
- 7) Grease all zerk fittings with non-synthetic, high-moly grease and grease them at regular intervals when you do vehicle maintenance.
- 8) Re-attach the emergency brake cables to the new control arms with zip ties, discarding the original brackets. Make sure there is enough slack in the cable to allow for wheel travel.

NOTE 1: Check all jam nuts on control arms after 100 miles and regularly thereafter.

NOTE 2: Johnny Joint rod ends are fully rebuildable! Contact RockJock for details, or order online at www.rockjock4x4.com.



CALIFORNIA PROP 65 WARNING

WARNING: These products can expose you to chemicals including Chromium, Lead, Lead Compounds, Nickel (Metallic), Nickel Compounds, Diisonyl and Di(2-ethylhexyl) Phthalates (DEHP)(DINP) which are known to the State of California to cause cancer or birth defects or other reproductive harm. **For more information, visit www.P65warnings.ca.gov**

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