



J7002 Service Kit: Jeep LCA Rubber Bushing
1984-2001 Cherokee XJ
1986-1992 Comanche MJ
1993-1998 Grand Cherokee ZJ
1999-2004 Grand Cherokee WJ
1997-2006 Wrangler TJ Standard

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

www.zoneoffroad.com may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to tech-zone@ridefox.com detailing your issue for a quick response.

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

»» 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.

Difficulty Level

Easy 1 (2) 3 4 5 Difficult

Estimated installation: hours

Special Tools Required

- Bushing Push/Pull Tool
- Optional: Arbor Press or Hydraulic Press
- Metric/Standard Socket/Wrench Set
- Torque Wrench
- Hydraulic Floor Jack and Jack Stands
- Factory Service Manual (recommended)

***Important* Verify you have all of the kit components before beginning installation.**

J7002 Kit Contents	
Qty	Part
1	Lower Control Arm Bushing
1	Zone Shock Sticker

Important—measure before starting!

Measure from the center of the wheel up to the bottom edge of the wheel opening

LF _____ RF _____

LR _____ RR _____

INSTALLATION INSTRUCTIONS

1. Park the vehicle on a flat, clean surface and block wheels for safety.

»» CONTROL ARM REMOVAL

2. Raise the front or rear of the vehicle and support with jack stands under the frame rails.
FRONT SERVICE INSTALLATION -- Position behind front lower suspension arm brackets.
REAR SERVICE INSTALLATION -- Position in front of rear lower suspension arm brackets.
3. Remove the wheels.
4. Raise the axle housing back into ride height position and support with a hydraulic jack. HINT: The axle housing should be evenly supported and the suspension at normal ride height. Do not attempt removal or installation with the suspension extended, or the axle drooped, as this will place tension on suspension arm mounting hardware.
5. Using a writing utensil, mark the bottom of the control arm eyelet mounted at the frame with an arrow pointing inwards towards the center of the vehicle. This mark will serve as reference for reorienting the arm during reinstallation.
6. Remove the original control arm mounting bolt at the axle housing bracket. If equipped, remove spacer washers and mark them *Axle Side Spacers*. Save hardware and spacers for reinstallation.
7. Remove the original control arm mounting bolt at the frame rail bracket. If equipped, remove spacer washers and mark them *Frame Rail Side Spacers*. Save hardware and spacers for reinstallation.
8. Proceed to Step 9. Complete bushing service and reinstallation on one side of the vehicle before starting on opposite side.

»» BUSHING REMOVAL

9. Using a Bushing Installation and Removal tool set, remove the old bushing from the control arm. If no tool set is available, an Arbor Press or Hydraulic Press can also be used. Follow equipment safety guidelines (tool set or press) and wear proper personal protective equipment.
10. Support the control arm bushing eyelet and press out bushing. Ensure the eyelet face is fully seated against base surface if using an arbor or hydraulic press. If not fully flat to seating surface during removal, control arm damage may occur (**Fig 1, pg. 3**)
11. Press out old bushing. Clean debris from eyelet and wipe clean. Inspect eyelet for damage before installation of new bushing.

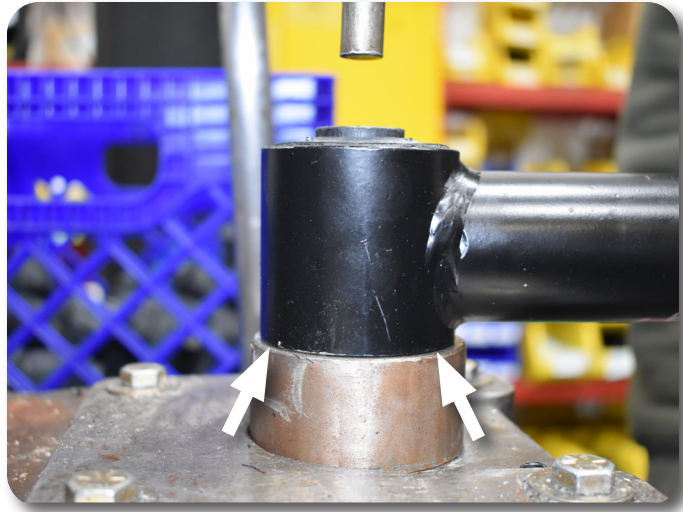


Figure 1

» BUSHING INSTALLATION

12. Press in new bushing. Ensure bushing is oriented vertically for assembly into eyelet (**Fig 2A**). Center bushing sleeve within eyelet (**Fig 2B**) and ensure bushing edge flange is fully seated on the outside face.



Figure 2A



Figure 2B

» CONTROL ARM INSTALLATION

13. Reinstall control arm. Use the arrow drawn in Step 5 to orient the control arm and reinstall spacers marked in Step 6 and Step 7 (if equipped).
14. Install original upper and lower mounting bolts and finger tighten the nuts. DO NOT torque mounting hardware until instructed.

» TIGHTEN MOUNTING HARDWARE

15. Once Control Arm(s) have been properly reinstalled, install wheels/tires and lower vehicle to the ground until coil springs are supporting the full weight of the vehicle.
16. Using a torque wrench, tighten the OE control arm mounting hardware to the factory torque specifications. Refer to the OE service manual for your specific vehicle specifications. Verify pre-installation ride heights when complete.

Post-Installation Warnings

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards, and wiring harness.
2. Have vehicle professionally aligned before driving on highway.
3. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.