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Part#: 122322

**Product: Control Arm Box Kit**

2003-2013 Dodge Ram 2500

2003-2012 Dodge Ram 3500

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## READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.

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**SAFETY WARNING** BDS Suspension Co. 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.

**PRODUCT SAFETY WARNING** Certain BDS 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. BDS Suspension Co. 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.

### 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 BDS Suspension components. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, BDS Suspension Co. 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.

### 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. Check steering gear for clearance. Test and inspect brake system.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

## PARTS LIST

Part #	Qty	Description
01215B	2	Upper Control Arm (17.25" long)
3522BK	8	UCA Bushing (BSDG-2)
71	4	0.75 x 0.095 x 2.40 DOM sleeve
N14MPT	2	14mm-2.00 prevailing torque nut
B14150G8	2	14mm-2.00 x 150mm bolt
W96S	4	9/16" SAE flat washer
02564	2	Lower Control Arm (19.25" long)
3536BK	8	LCA Bushing
120	4	1.00 x 16mm ID x 2.60 DOM Sleeve
121	2	1.00 x 18mm ID x 2.60 DOM Sleeve
60107	8	90 degree grease zerk fitting

## INSTALLATION INSTRUCTIONS

1. Park vehicle on clean flat and level surface. Block rear wheels for safety.
2. Disconnect the trackbar from the frame, retain hardware. This will allow the axle to droop straight down, instead of following an arc to make installation easier.
3. Raise the front of the vehicle and support frame rail with jackstands.
4. Loosen all of the control arm hardware to allow the axle to move easily when replacing and installing new arms. It is common to find that the cam bolts are seized into the lower control arms. The bolts must be cut out using a large diameter cutoff wheel. Use extreme caution to avoid injury. Replacement cam bolts must be ordered from a Chrysler dealership.
5. Work on one side of the vehicle at a time.
6. Support the axle with a hydraulic jack. Remove the passenger's side control arms. The passenger's side upper control arm bolt will need to have the head cut off and removed through the arm towards the outside of the vehicle. A replacement bolt is included with the kit.
7. Install new control arms with bushings (lightly grease before assembly) and sleeves as shown. Do not use the large ID sleeve (121) on a 16mm bolt, these are provided in all kits to fit all model year trucks even though they are only required for 2010 and newer. Install grease zerks so they will be accessible on the vehicle. The upper arm at the axle helps to point up and out at a 45 degree angle for the best access. If there is difficulty getting the holes to align, try rotating the cam bolt on the driver's side.
8. Repeat disassembly on driver's side. Hemi model trucks may require that the upper arm bolt at the frame be cut in the same manner as the passenger's side. A new bolt is provided in the kit.
9. Repeat control arm installation procedure. Do not tighten hardware at this time.
10. Lower vehicle to the ground and tighten Upper arm hardware: 120 ft-lbs, Lower 16mm hardware 150 ft-lbs, 18mm hardware (if applicable) 180 ft-lbs.
11. Reinstall trackbar into frame with factory hardware. 03-07 models tighten to 120 ft-lbs, 08+ models 150ft-lbs.
12. Recheck hardware for proper torque after 500 miles. Grease bushings at regular maintenance intervals.

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### NOTICE TO DEALER/INSTALLER

These instructions, the warning card, and included decals must be given to the owner of this BDS Suspension product.

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For questions, technical support and warranty issues relating to this BDS Suspension product, please contact your distributor/installer before contacting BDS Suspension directly.

### Sold/Installed by:

