



Part#: 122009

Product: Rear Dual Shock Kit

Application: 2003-2004 Dodge 2500

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

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
73-1	3	1.250 x 0.312 x 0.875 DOM sleeve
616	1	Bolt Pack
	4	9/16-12 x 5-1/2" bolt grade 8 - yellow zinc
	11	9/16 SAE thru hardened yellow zinc washer
	4	9/16-12 prevailing torque nut - yellow zinc
	2	7/16-14 x 1-1/4 bolt grade 8 - yellow zinc
	4	7/16 SAE - yellow zinc washer
	2	7/16-14 prevailing torque nut - yellow zinc
	8	3/4" SAE washer thru hardened - yellow zinc
74-1	4	0.750 X 0.090 X 1.450 rolled sleeve
01225-1	1	Rear Dual Shock driver's side bracket

INSTALLATION INSTRUCTIONS

NOTE: Not all of the sleeves that come in the shock box will be used. Refer to instructions below for proper sleeve placement.

1. Park vehicle on clean, flat, and level surface. Block wheels for safety
2. Work on only one side of the vehicle at a time.
3. Apply a small amount of lithium based grease to bushings (SB34) and install into both ends of shocks.
4. Remove passenger's side upper and lower shock bolts and discard hardware.
5. Install longer sleeves (54587-1) into top and bottom of shock that will go into OE pockets. These are included in the shock box.
6. Install shorter sleeves (#74-1) into shock that will be mounted outside of OE pockets (Fig 1/2)

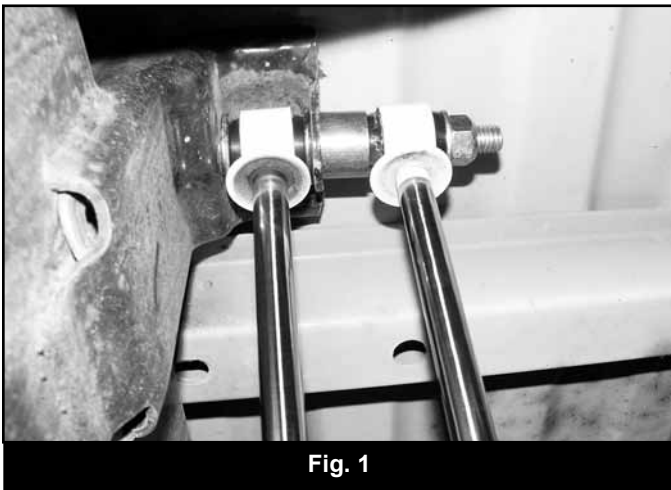


Fig. 1

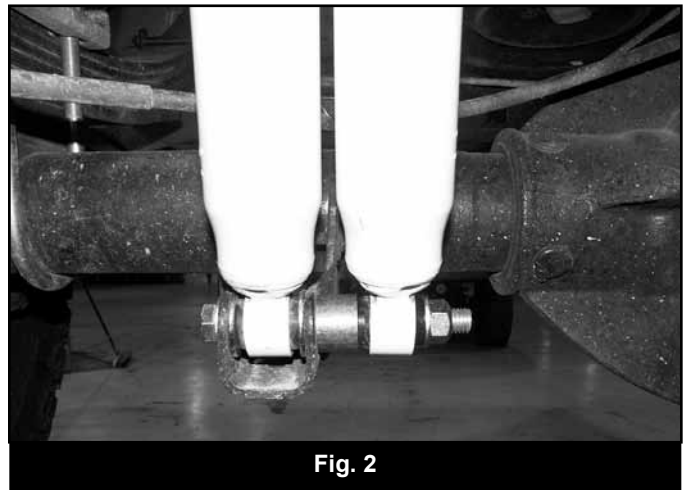


Fig. 2

7. Place a 3/4" SAE washer on each side of the bushings that will go into the OE pocket and install shock.
8. Install 9/16" x 5-1/2" bolt with washer (run bolt from outside to inside) through new shock in the OE pocket. Place 7/8" long sleeve and new shock on bolt. Torque bolt to 100 ft-lbs. (Fig 1/2)
9. Remove driver's side shock and discard hardware.
10. Place new bracket (01225) next to OE shock pocket. Temporarily install 9/16" bolt and mark the center of bracket holes. Drill holes to 7/16"
11. Reinstall bracket with 7/16" hardware and leave slightly loose.
12. Refer to steps 5 & 6 for shock assembly.
13. Install Shock into OE pocket with a 3/4" washer on the outside of bushings. Install 9/16" x 5-1/2" bolts (run bolts from outside to inside). (Fig 3)



14. A 7/8" spacer will be required on the lower shock mount. The upper bracket will not require a spacer. Install shocks with the shorter sleeve into new bracket.
15. Torque 7/16" hardware to 50ft-lbs and 9/16" hardware to 100 ft-lbs
16. Check all fasteners after 500 miles and at regularly scheduled maintenance intervals.