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Part#: **012409**

Product: **Rear Block Kit**

Application: **Dodge 1/2 & 3/4 Ton Pickup 4WD**

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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


Qty	Description
4	9/16 x 2-1/2 x 14" "U" Bolt
8	9/16" Fine High Nut
8	9/16" Flatwasher
2	4" Lift Block

## INSTALLATION INSTRUCTIONS


1. Safely raise the vehicle and support with jack stands for safety.
2. Remove the tires and wheels.
3. Place support floor jack under the front axle.
4. Remove OEM shock absorbers.
5. With floor jack under the axle, remove the OEM U-bolts at the spring to axle connection.
6. Use the floor jack to lower the axle. Do not overextend the brake and axle vent hoses. The vent hose may need to be rerouted.
7. Inspect existing spring perches. If they are not in good condition, replace them at this time.
8. Complete the following instructions one side at a time. Place a C clamp on each side of the spring center pin and remove the pin.

 *Note: Be careful, the springs are under load.*

9. Carefully loosen the C clamps and place the add-a-leaf between the overload spring and the spring pack.
10. Install the new center pin into the leaf pack. Do not use the center pin to tighten the leaf pack. Compress the leaf pack with the C clamps and then tighten the center pin. After tightening, trim off the excess pin.
11. Remove the existing OEM block on the spring perch and replace with BDS's supplied block. Make sure the tapered or shorter end is toward the front of the vehicle.

 *Note: All contact points should be free of debris before installing.*

12. Raise the axle/blocks up to the spring pack and ensure that the center pin and block pin align with the appropriate holes.
13. Install supplied u-bolts with the fasteners supplied using the OEM u-bolt plate. Torque to 100-120 ft-lbs.

 *Note: It may be necessary to ream out the U-bolt plate on certain vehicles.*

14. Install correct BDS shocks, tires and wheels.
15. Lower the vehicle to the floor.