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Part#: **012508**

Product: **Dodge Rear Leaf Spring**

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.

PARTS LIST

Part #	Qty	Description
963181500Q	4	9/16"x3-1/8"x15" U-Bolt
W96S	8	9/16" SAE flat washer
N96FH	8	9/16" Fine high nut
01209	1	Brake adapter
605	1	Bolt Pack

INSTALLATION INSTRUCTIONS

1. Safely raise the rear of the vehicle and support with jack stands under the frame rails for safety.
2. Remove the wheels.
3. Support the rear axle with a floor jack.
4. Remove the OE shocks.
5. Install brake proportioning valve drop bracket with supplied 7/16" fasteners.
6. Relocate brake lines as necessary.

Complete the following steps one side at a time.

7. Lower the axle so that there is no pressure on the leaf spring while still supporting the axle with the floor jack.
8. Remove the OE u-bolts.
9. Lower the axle away from the leaf spring, taking care not to over-extend the brake lines.
10. Remove the shackle-to-frame bolt in the rear and the spring hanger bolt in the front. Remove the spring from the vehicle.
- ⓘ *Note: It may be necessary to move the fuel tank on the driver's side to remove the front hanger bolt.*
11. Remove the shackle from the OE spring and install it on the rear eye of the new BDS spring. Leave hardware loose. The springs are marked to indicate which end is the front.
12. Install the new spring in the vehicle with the OE block. Leave hardware loose. All spring bolts will be tightened when the installation is complete and the vehicle is on the ground.
13. Clean the axle spring perch and raise the axle up to the spring. Make sure that the spring pin is aligned with the hole in the block.
14. Secure the axle to the spring with the new u-bolts. Final u-bolt torque should be done with the vehicle on the ground.
15. Install the new BDS shocks.
16. Repeat procedure on the opposite side of the vehicle.
17. Install the wheels and lower the vehicle to the ground.
18. Bounce the rear of the vehicle to settle the suspension. Tighten the spring and shackle bolts to 120 ft.lbs. Torque the u-bolts to 75-90 ft.lbs.
19. Check all fasteners after 500 miles.