



2265 Crosswind Drive • Prescott, AZ 86301  
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# DODGE DAKOTA 4WD REAR DUAL SHOCK SYSTEM INSTALLATION INSTRUCTIONS KIT # DS38

**⚠ WARNING**  
This kit should only be installed on a vehicle that is in good working condition. Before you install the kit, thoroughly inspect the vehicle for corrosion or deformation of the sheet metal around the factory body mounts. If the vehicle is suspected to have been in a collision or misused, do not install this kit. Off-road use of your vehicle with this kit installed may increase the stress applied to the factory body mounts. We do not recommend that any vehicle with a body lift kit installed be involved in any extreme off-road maneuvers such as jumping. Failure to observe this warning may result in serious personal injury and/or severe damage to your vehicle.

## Before Starting Installation

1. Carefully read all warnings and instructions completely before beginning.
2. Verify all parts have been received in this kit by checking the parts list at the end of this document.
3. **Recommended shock:** Vehicles with Trail Master DD43 suspension, 62440 w/standard size tires, 72440 w/oversize tires.
4. **Only install this kit on the vehicle for which it is specified.** If anytime during the installation you encounter something different from what is outlined in the instructions, call technical support at (928) 636-3175.

**⚠ WARNING**  
Read and understand all instructions, warnings and safety precautions in these instructions and your owners manual before attempting to install these components.

**PRODUCT SAFETY WARNING**  
Certain Performance Automotive Group 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. Use of oversized tires, suspension lifts, body lifts and other suspension modifications may raise your vehicle's center of gravity resulting in an increased tendency for the vehicle to pitch and roll during sudden turns or abrupt maneuvers. Extreme care must be used to prevent loss of control or vehicle roll over. Failure to drive your modified vehicle safely may result in serious injury or death. Drive at reduced speeds to ensure your ability to maintain control of the vehicle under all driving conditions. Always wear seat belts.

**⚠ CAUTION**  
Proper installation of Performance Automotive Group products requires knowledge of recommended procedures for disassembly/assembly of OE vehicles and components. Access to OE shop manuals and special tools are required. Attempting to install this kit without knowledge of these procedures may affect the safety of your vehicle and/or the performance of these components. Performance Automotive Group strongly recommends that this kit be installed by a certified mechanic with off-road experience.

**⚠ CAUTION**  
Performance Automotive Group recommends the use of Loctite® on all hardware, unless noted otherwise.

**⚠ WARNING**  
Properly block and secure vehicle prior to installation.

**⚠ WARNING**  
Always wear safety glasses.

# Installation Instructions

Trail Master Suspension. For questions or suggestions, contact our Technical Assistance Department at (928) 636-3175.

1. Block and secure vehicle on flat surface. Loosen but do not remove rear lug nuts.
2. Raise rear of vehicle with hydraulic floor jack and support vehicle with jack stands on frame rails. Remove rear wheels.
3. Support axle with hydraulic floor jack and remove spring clamp plates.
4. Install one *kit stud mount* in each *kit axle clamp plate (920415)* so that when plates are installed on axle, the studs will be facing inward behind axle.
5. Install *kit clamp plates* on axle as described in previous step. Torque U-Bolts to factory specifications.

## NOTE

Check to insure there is adequate clearance between **ALL** rotating, mobile, fixed, and heated members. A shield between exhaust and shock may be required to eliminate possible damage. Inspect brake lines for damage and adequate clearance.

## PARTS LIST

### Qty Description

2	Upper Mount (930809)
2	Axle Clamp Plate (920415)
2	Bolt, 5/8" x 1-1/4"
4	Washer, 5/8" Flat
2	Nut, 5/8" Lock
4	Bolt, 3/8" x 1-1/4"
1	Nut, 3/8" course
9	Washer, 3/8" Flat
4	Stud Mount

## NOTE

Locate 5/8" holes in frame approximately 8" rearward of compression stop brackets welded to frame.

6. Mount *kit brackets 930809* to frame with *kit 5/8" x 1-1/4" bolts, washers, and locknuts*. The 3/8" holes in *kit brackets* must be rearward and the 1/2" hole down.
7. Square *kit brackets* with frame. Ensure bracket position will allow installation of stud mount and shock eye under frame rail.
8. Clear drill area of fuel lines, brake lines and harnesses. With *kit brackets* correctly positioned drill 3/8" holes through frame using bracket as a guide. Install *kit 3/8" x 1-1/4" bolts, washers, and locknuts*. Torque to specifications.
9. Install recommended shock. Install wheels. Lower vehicle.

## Torque Specifications

See factory service manual for torque values when re-using OE fasteners.

<u>Bolt Size</u>	<u>Grade 5 (ft.-lbs.)</u>	<u>Grade 8 (ft.-lbs.)</u>
1/4"-20	10	10
1/4"-28	10	12.5
5/16"-18	17	22.5
5/16"-24	20	25
3/8"-16	30	40
3/8"-24	35	45
7/16"-14	50	65
7/16"-20	55	70
1/2"-13	75	100
1/2"-20	55	70
9/16"-12	105	135
9/16"-18	115	150
5/8"-11	150	195
5/8"-18	160	210
3/4"-16	175	225

## POST-INSTALLATION NOTES

## CAUTION

Retorque all fasteners after 500 miles and after off road use.

1. Retain this and all information regarding your altered vehicle for future reference. Thank you for choosing

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