



2265 Crosswind Drive • Prescott, AZ 86301
(928) 636-3175

DODGE DAKOTA 1991-1996 DUAL FRONT SHOCK SYSTEM INSTALLATION INSTRUCTIONS KIT # DS37

⚠ 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.

⚠ 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

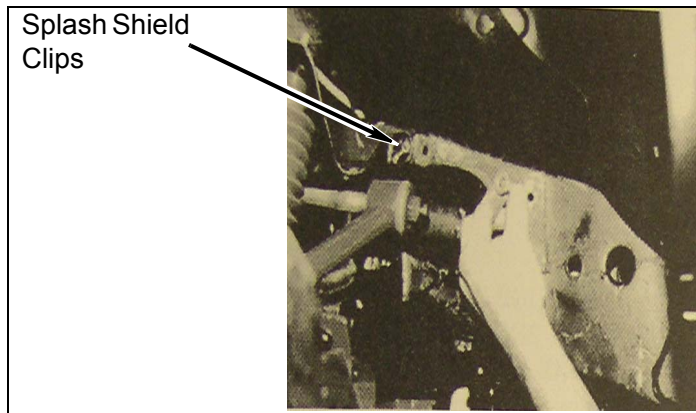
Properly block and secure vehicle prior to installation.

Before Starting Installation

- Carefully read all warnings and instructions completely before beginning.
- This system is designed to work with stock or lifted trucks with Trail Master's Steering Arm.
- When drilling at frame always check for clearance and move any wires, brake lines, fuel lines, etc.
- Verify all parts have been received in this kit by checking the parts list at the end of this document
- 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.

Installation Instructions

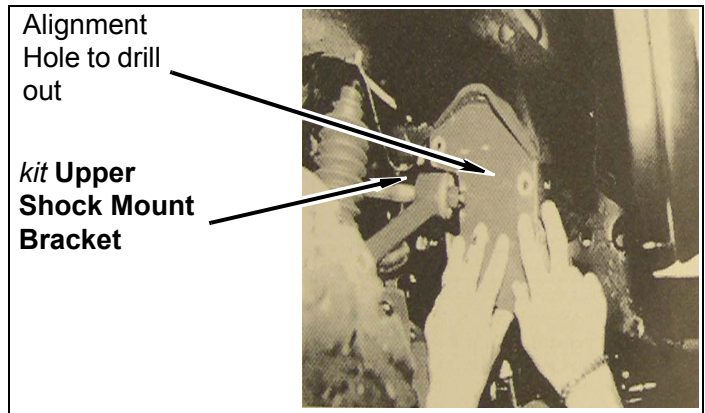
1. Park vehicle on flat surface and block rear wheels.
2. Raise front end of vehicle with hydraulic jack. Support vehicle with jack stands on front axle or frame.
3. Remove front wheels.
4. Starting on driver side, clearance inner rubber splash shield.
 - a. Remove two rear fasteners retaining rubber splash shield to frame.
 - b. Roll rubber shield up to expose frame.



5. Position *kit upper shock mount bracket* and drill.
 - a. Position rear upper hole on *kit upper shock mount bracket (930801)* in line with rearward hole in frame where rubber splash guard was attached.

⚠NOTE

Bracket should line up slightly rearward of the weld on the upper control arm bracket. The bottom of the bracket should be approximately 1/2" above bottom of frame rail.



- b. Once positioned, drill 1/4" hole in frame out to .490"
6. Install *kit nutsert* with **1/2" internal star washer** in .490" hole drilled earlier.
 7. Install 3/8" x 1-1/2" bolt with flat washer through bracket into nusert, apply pressure to insert with bracket to assist in tightening insert.

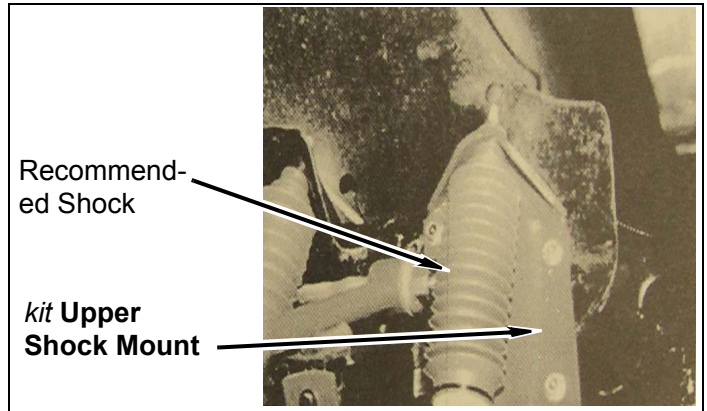
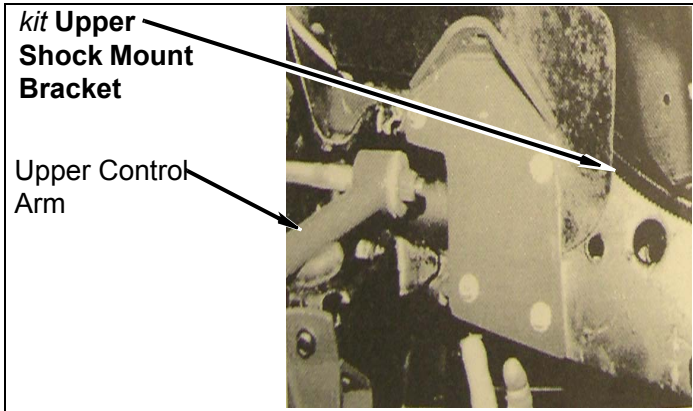
⚠NOTE

Applying anti-seize compound to the threads of 3/8" bolts and the use of an air impact wrench is of great assistance when seating nutsert but use caution to not over tighten or strip.

8. Finish mounting *kit upper shock mount bracket*.
 - a. Using remaining holes in bracket as guide to centerpunch for holes to be drilled.
 - b. Remove bracket and drill marked locations to .490".

- c. Install bracket using *kit nutsert, 3/8" x 1-1/2" bolt and hardware.*

- b. Mount top of shock with washers and urethane bushings.



9. Install *kit lower shock mount bracket.*

- a. Remove bolts retaining sway bar end cap to lower control arm.
- b. Mount *kit lower shock mount bracket (930803)* on cap spacing bracket from cap with 1/2" spacers. Secure using *kit 5/16" x 2-1/2" bolts and hardware.*

11. Trim Rubber splash shield and reattach to frame.

- 12. Repeat previous steps on passenger side of vehicle.
- 13. Install wheels, lift vehicle off jack stands using floor jack and lower to ground.
- 14. Retorque all fasteners.

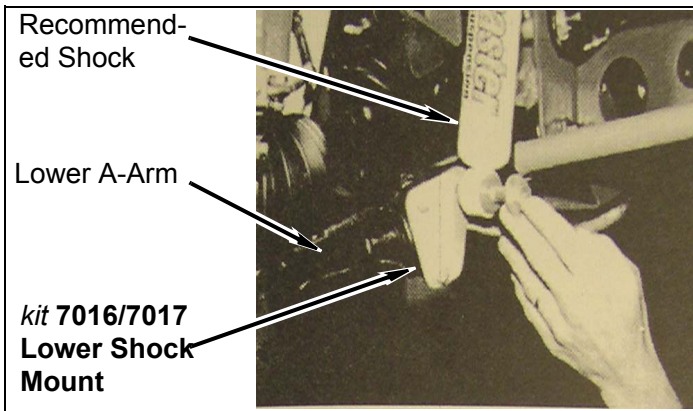
- 15. Check for adequate clearance between all rotating, mobile, and fixed members. Check steering and brakes for proper operation.

NOTE
Bracket is correctly positioned when 1/2" hole is up and ear of bracket is forward.

10. Install recommended shock.

- a. Install shock onto lower mount inserting *kit 1/2" bolt with washer and 1-7/16" sleeve* from the rear to front.

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

PARTS LIST

Qty Description

1	Driver Upper Mount (930801)
1	Passenger Upper Mount (930802)
1	Driver Lower Mount (930803)
1	Passenger Lower Mount (930804)
2	Bolt, 1/2" x 2-1/2"
4	Washer, 7/16" Flat
2	Nut, 1/2" Lock
8	Nutsert, 3/8"
8	Washer, 1/2" Internal Star
8	Bolt, 3/8" x 1-1/2"
8	Washer, 5/16" Flat
4	Bolt, 5/16" x 2-1/4"
4	Washer, 1/4" Flat
4	Sleeve/Spacer (#94)
2	Sleeve, 1-7/16"Lg

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

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