



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

GM BLAZER, JIMMY, SUBURBAN 1/2 TON PU, 3/4 TON PU FRONT TRIPLE SHOCK SYSTEM INSTALLATION INSTRUCTIONS KIT # DS65

⚠ 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. This system is designed to work with stock or lifted trucks with Trail Master's Steering Arm.
3. When drilling at frame always check for clearance and move any wires, brake lines, fuel lines, etc.
4. Verify all parts have been received in this kit by checking the parts list at the end of this document
5. **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.

Installation Instructions

1. Set vehicle in park, 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. Remove front shocks.

Passenger Side Installation:

1. Drill out rivets on front brake at frame.
2. Remove motor mount bolt at frame.
3. Install shock hoop using bolts supplied in hoop lower left leg and reinstall into motor mount.
4. Measure from bottom of frame up 1-3/4". Set shock hoop lower right leg. (Hoop should be level at this point)
5. Drill hole for lower right leg and install. Bolt and tighten.
6. Mark existing holes and drill out and install bolts and tighten.
7. Reinstall brake bracket as desired, possibly at one of the hoop leg bolts, or if older model using "L" shaped bracket mount at bottom of frame.
8. Install lower bracket over steering knuckle. Insert bolts from the back towards the front.
9. Cut off excess bolt past nut. Then turn wheels to the right and left to assure no interference. (may have to adjust steering stops on knuckle to avoid interference)
10. Install shock, check all bolts and nuts.
11. Install wheel.

Driver Side Installation:

1. Drill out rivets on front brake bracket.
2. Remove metal tabs on brake line bracket below steering box.
3. Place hoop 1" from bottom of frame rail to center of lower leg bolt hole.
4. Mark holes and drill. Install bolts and tighten.
5. Reinstall brake metal tabs.
6. Reinstall brake bracket as desired. Possibly at one of the hoop leg bolt holes, or if older model use "L" shaped bracket and mount at bottom of frame.
7. Install lower bracket over steering knuckle. Insert bolts from the back towards the front.
8. Cut off excess bolt post nut and turn wheels to the right and left to assure no interference. (May have to adjust steering stops on knuckle to avoid interference)
9. Install shocks. Check all bolts and nuts.
10. Install wheel.

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

PARTS LIST

| Qty | Description |
|-----|----------------------|
| 2 | Upper Hoop |
| 1 | Left Lower Bracket |
| 1 | Right Lower Bracket |
| 2 | Brake Line Adaptor |
| 4 | Bolt, 5/16" x 3-1/2" |
| 4 | Nut, 5/16" Lock |
| 2 | Bolt, 1/2" x 5" |
| 4 | Washer, 7/16" Flat |
| 6 | Nut, 1/2" Lock |
| 18 | Bolt, 3/8" x 1-1/2" |
| 20 | Washer, 5/16" Flat |
| 18 | Nut, 3/8" Lock |
| 4 | Bolt, 1/2" x 1-1/2" |
| 6 | Nut, 1/2" Lock |
| 8 | Sleeve |

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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