



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

FORD F150 4WD '77-'79 FRONT DUAL SHOCK SYSTEM (STAGGERED SYSTEM ONLY) INSTALLATION INSTRUCTIONS KIT # DS27

⚠ 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.

⚠ 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. **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.

⚠ 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

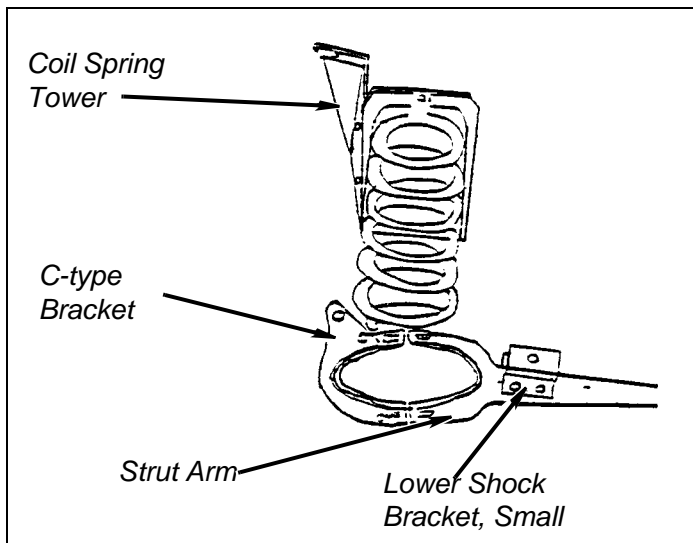
Always wear safety glasses.

Dual Shock Installation

1. Place **kit upper bracket** flush against coil spring tower on opposite side of stock mount, with the bottom wedged between tower and frame.
2. Mark two 7/16" holes using **kit upper bracket** as a guide. Some spring towers have a hole pre drilled for upper bolt, if there is, install 7/16" x 1-1/4" bolt and drill bottom hole using bracket as guide.
3. Bolt **kit upper bracket** to spring tower using **kit 7/16" x 1-1/4" bolts and nuts**.
4. Using **kit bottom bracket** as guide, place in front of strut arm and drill two 3/8" holes.
5. Bolt flat **kit C-type bracket** to front of strut arm using **kit 3/8" x 1-1/4" bolts and nuts**.
6. Bolt the two **kit small brackets** to opposite strut arms on each side behind axle in predrilled holes on strut arm using **kit 3/8" x 1-1/4" bolts and nuts**.
7. Install new shock absorber to upper bracket and lower bracket.

△NOTE

Be sure there is at least 3" of travel for shocks both up and down when vehicle is at ride height.



8. Repeat on opposite side of vehicle.

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	Lower Shock Bracket, Small
1	Upper Shock Bracket - Left
1	Upper Shock Bracket - Right
2	Lower Shock Bracket C-Type
4	Bolt, 7/16" x 1-1/4"
4	Bolt, 3/8" x 1-1/4"
4	Washer, 3/8"
4	Washer, 5/16"
4	Nut, 7/16" Locking
4	Nut, 3/8" Locking

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