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(928) 636-3175

- BK80-GM PU, BLAZER, JIMMY (FRONT)**
- BK81-DODGE PU, RAMCHARGER (FRONT)**
- BK82-JEEP CJ5, CJ7 (FRONT & REAR)**
- BK83-TOYOTA PU, 4RUNNER (FRONT)**
- BK85-SUZUKI SAMURAI (FRONT & REAR)**
- BK86-JEEP WRANGLER (FRONT & REAR)**
- BK88-GM BLAZER, JIMMY, SUB. (FRONT)**

URETHANE LEAF SPRING BUSHINGS

INSTALLATION INSTRUCTIONS

⚠ WARNING
Read and understand all instructions, warnings and safety precautions in these instructions and your owners manual before attempting to install these components.
⚠ 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
Performance Automotive Group does not recommend combined use of suspension lifts, body lifts or other lift devices. Combined use of lifts may result in unsafe and unexpected handling characteristics. (See previous warning). Also, many states now have laws restricting vehicle lift, bumper heights and other alterations. Consult local laws to determine if your proposed alterations (including installation of this kit) comply with your state laws.

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.

PRE-INSTALLATION NOTES

⚠ WARNING

This kit is only intended for use on trucks that are in good condition. Before installing these components, thoroughly inspect truck, paying particular attention to the condition of the OE mounts and surrounding sheet metal. Do not install on trucks that show any evidence of corrosion, deformation of mounts or surrounding sheet metal. Do not install on trucks you suspect may have been involved in accidents or misused. Off-road use of this product may increase the stresses applied to the OE mounts. Do not "jump" trucks equipped with body blocks. Check torque of fasteners frequently and include the mount areas in your routine safety inspections. Failure to follow this warning may result in damage to your truck and/or serious personal injury.

1. Refer to OE service manual for proper disassembly/assembly procedures for OE components (like steering shaft, anything else). **Consult the following instructions for special tools necessary for this installation**
2. Placing hardware with components before you start may reduce installation time. Contact your Trail Master dealer if any parts are missing or appear to be different than those indicated on the parts list.

⚠ CAUTION

Trail Master 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 when using power tools.

FRONT INSTALLATION INSTRUCTIONS

1. Position hydraulic floor jack under axle housing and raise vehicle until both wheels are off the ground. Position jack stands under each frame rail approximately 3" behind the shackles. Lower floor jack so weight of vehicle rests on jack stands. Both wheels must be off the ground. Remove both front wheels.
2. Position floor jack under passenger side of axle housing. Raise axle just enough to disconnect the lower shock mount.

3. Remove U-bolts on the passenger side spring/axle. Save U-bolts and nuts.

⚠ CAUTION

Keep an eye on the differential vent hose and the flexible brake lines when lowering the axle away from the spring. If necessary, take the needed steps to prevent pulling the lines beyond their limits.

4. Lower the floor jack until the spring is free from the axle seat.
5. Remove spring eye bolt from the shackle end of the spring. Save the eye bolt/nut. Pull spring down out of the shackle and allow it to rest on the axle seat.
6. Remove spring eye bolt from the hanger and remove spring. Save the eye bolt/nut.
7. Remove the steel/rubber bushings from the spring eyes.

NOTE:

In some cases, the bushings are a 2-piece rubber/synthetic composition without a steel casing and can easily be removed and replaced.

8. Insert the proper size polyurethane replacement bushings and sleeves contained in each spring eye.
9. Retain the spring on the solid hanger end first, using the original eye bolt/nut. Next, mount the shackle end of the spring using the original eye bolt/nut. **DO NOT TIGHTEN BOLTS AT THIS TIME.**
10. Raise the axle using the floor jack until the bottom of the spring center bolt seats in the axle perch hole.
11. Install the original U-bolts/nuts and torque to OE specifications.

NOTE:

New U-bolts are recommended.

12. Reattach the lower shock mount. Torque mount bolts to OE specifications. Passenger side installation is complete.
13. Repeat the previous steps for the driver's side installation.

14. Reinstall front wheels. Torque lug nuts to OE specifications. Raise front of vehicle with floor jack and remove jack stands.
15. Lower front of vehicle. Bounce front end. Torque spring eye bolts to OE specifications.

REAR INSTALLATION INSTRUCTIONS

1. Use the same sequence of steps and procedures for the rear axle as on the front axle.

POST-INSTALLATION NOTES

1. Performance Automotive Group's goal is to provide you with the best system possible for a reasonable cost. It must be noted that the components in your Performance Automotive Group system do not eliminate OE component weaknesses.
2. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Ensure there is adequate clearance between exhaust and brake lines, fuel lines, fuel tank, floor board and wiring harnesses. Check steering gear for interference and proper working order. Inspect brake lines for damage and adequate clearance. Test brake system

⚠ CAUTION

Retorque all fasteners after 500 miles and every off-road use. Visually inspect components and retorque fasteners during routine vehicle service.

3. Retain this and all information regarding your altered vehicle for future reference. Thank you for choosing Trail Master. For questions or suggestions, contact our Technical Assistance Department at (928) 636-3175.