

Pro Comp K1171B

Pro Comp Suspension K1171B Lift Kit User Manual

Model: K1171B | Brand: Pro Comp

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Pro Comp Suspension K1171B 6-inch Lift Kit. This kit is designed to enhance the ground clearance and aesthetic appeal of compatible vehicles, providing improved off-road capability. Pro Comp Suspension products are engineered with a focus on quality and performance.

2. SAFETY INFORMATION

Warning: Installation of this lift kit modifies the vehicle's suspension and steering geometry. Improper installation or failure to follow instructions can lead to serious injury, death, or vehicle damage.

- Always have the installation performed by a certified professional mechanic.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning work. Never work under a vehicle supported only by a jack.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Verify all fasteners are torqued to manufacturer specifications.
- After installation, a professional alignment is mandatory to ensure proper vehicle handling and tire wear.
- Test drive the vehicle in a safe area to familiarize yourself with altered handling characteristics.

3. KIT CONTENTS

The Pro Comp Suspension K1171B Lift Kit includes various components necessary for a 6-inch lift. Please verify all parts are present and undamaged before beginning installation.



Figure 3.1: Overview of the complete Pro Comp Suspension K1171B Lift Kit components, including struts, shocks, spacers, control arms, and various mounting hardware.

- Front Strut Spacers
- Rear ES9000 Shocks
- Lift Blocks and U-bolts
- Crossmembers and Steering Knuckles
- Various hardware and brackets



Figure 3.2: Close-up view of the U-bolts included in the kit, essential for securing the rear axle to the leaf springs.

steering knuckles, lift blocks, and ES9000 shocks. Ensure all bolts are hand-tightened initially.

5. **Final Torque:** Once all components are in place, lower the vehicle partially to allow the suspension to settle, then torque all fasteners to the manufacturer's specified values.
6. **Post-Installation Checks:** Reconnect the battery. Check for proper clearance of all components and ensure no lines or wires are pinched.
7. **Alignment:** Immediately after installation, have a professional alignment performed to correct camber, caster, and toe angles.



Figure 4.1: A vehicle equipped with a Pro Comp lift kit, demonstrating the increased ride height and aggressive stance.

5. OPERATING CONSIDERATIONS

After installing a lift kit, the vehicle's center of gravity will be raised. This can affect handling characteristics, especially at higher speeds or during sharp turns.

- **Driving Dynamics:** Be aware of increased body roll and a higher risk of rollover compared to a stock vehicle, especially during aggressive maneuvers.

- **Braking:** Braking distances may be slightly altered.
- **Tire Pressure:** Maintain correct tire pressure for the installed tires, which may differ from factory recommendations.
- **Headlight Aim:** Adjust headlight aim to prevent blinding oncoming traffic due to the increased vehicle height.

6. MAINTENANCE

Regular inspection and maintenance are crucial for the longevity and safe operation of your lifted vehicle.

- **Initial Check:** After the first 500 miles (800 km) of driving, re-torque all suspension fasteners to ensure they remain at specified values.
- **Periodic Inspection:** Annually or every 10,000 miles (16,000 km), inspect all suspension components for wear, damage, or loose fasteners. Pay close attention to bushings, ball joints, tie rod ends, and shock absorbers.
- **Cleaning:** Keep suspension components clean, especially after off-road use, to prevent corrosion and premature wear.

7. TROUBLESHOOTING

If you experience issues after installation, consider the following:

- **Uneven Ride Height:** Re-check all components for proper seating and ensure correct parts were installed on the correct side of the vehicle. Verify spring and block orientation.
- **Vibrations:** Check driveshaft angles, U-joint condition, and tire balance. A professional driveshaft shop may be needed to correct angles if severe.
- **Steering Issues (Pulling/Wandering):** This is often an alignment issue. Ensure a professional alignment has been performed and is within specifications. Check for loose steering components.
- **Noise (Clunking/Squeaking):** Inspect all fasteners for proper torque. Check for contact between suspension components and the vehicle frame or body. Lubricate bushings if necessary.

For persistent issues, consult with a qualified automotive technician specializing in lifted vehicles.

8. SPECIFICATIONS

Attribute	Value
Manufacturer	Pro Comp Suspension
Brand	Pro Comp Suspension
Model Number	K1171B
Maximum Lifting Height	6 Inches
Included Components	Shocks, Strut Spacer, Lift Blocks, Crossmembers, Steering Knuckles, Hardware
Material	Alloy Steel
Auto Part Position	Front (Kit includes front and rear components)
Item Weight	126 kg (approx. 277 lbs)
Product Dimensions	121.92 x 121.92 x 121.92 cm (approx. 48 x 48 x 48 inches)

Attribute	Value
UPC	614901312317

9. WARRANTY AND SUPPORT

Specific warranty details for the Pro Comp Suspension K1171B Lift Kit were not available in the provided product data. For information regarding warranty coverage, claims, or technical support, please contact Pro Comp Suspension directly through their official website or customer service channels.

It is recommended to retain your proof of purchase for any warranty inquiries.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question