

SuperATV AA-P-RAN1K-2-HC-02

SuperATV BFT Suspension Kit Instruction Manual

Model: AA-P-RAN1K-2-HC-02

For Polaris Ranger XP 1000 (2018-2020) and Ranger 1000 (2020)

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your SuperATV BFT Suspension Kit. This kit is designed to enhance your vehicle's capabilities, allowing for the installation of larger tires while maintaining stability. Please read all instructions carefully before proceeding with installation or use.

2. SAFETY INFORMATION

WARNING: Improper installation or use of this product can lead to serious injury or death. Always follow all safety precautions and instructions.

- Professional installation is recommended. If you are not comfortable performing the installation, seek assistance from a qualified mechanic.
- Always wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- Ensure the vehicle is securely supported on a level surface using jack stands before beginning any work. Do not rely solely on a jack.
- Do not modify any components of this kit. Modifications can compromise safety and performance.
- After installation, perform a thorough inspection of all fasteners to ensure they are properly tightened.
- Regularly inspect suspension components for wear, damage, or loose fasteners.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package. If any items are missing or damaged, contact SuperATV customer support immediately.

- Front A-Arms (Upper and Lower)
- Hardware (bolts, washers, nuts)
- Bushings
- Tie Rods
- Tie Rod Boots
- Zip Ties



Image 3.1: All components of the SuperATV BFT Suspension Kit, including A-arms, hardware, and tie rod components.



Image 3.2: Close-up view of the tie rod components, including the tie rods, boots, and associated hardware.

4. COMPATIBILITY

This SuperATV BFT Suspension Kit is compatible with the following Polaris Ranger models:

- 2018-2020 Polaris Ranger XP 1000
- 2019-2020 Polaris Ranger XP 1000 Crew
- 2020 Polaris Ranger 1000
- 2020 Polaris Ranger 1000 Crew

This kit is designed to accommodate up to 32-inch tires with minimal lift.

5. SETUP AND INSTALLATION

SuperATV provides detailed, paperless installation instructions. To access the complete step-by-step guide, scan the QR code provided on your invoice using a smart device (tablet, smartphone, etc.).

General Installation Overview:

1. **Vehicle Preparation:** Park the vehicle on a level surface, engage the parking brake, and place wheel chocks. Safely lift the front of the vehicle and support it with jack stands. Remove the front wheels.
2. **Component Removal:** Carefully remove the factory front A-arms, tie rods, and any other associated suspension components as per the detailed instructions.

3. **New Component Installation:** Install the new SuperATV BFT A-arms, bushings, and tie rods. Ensure all hardware is installed correctly and tightened to the manufacturer's specified torque values.
4. **Final Checks:** Reinstall the wheels. Lower the vehicle to the ground. Perform a final inspection to ensure all components are secure and there is no interference.
5. **Alignment:** After installation, it is crucial to have a professional alignment performed to ensure proper steering and tire wear.



Image 5.1: Close-up of the SuperATV BFT A-arms installed on a vehicle's front suspension.



Image 5.2: Another view of the installed A-arms, showing their robust construction and clearance around the axle.



Image 5.3: Front wheel area of a Polaris Ranger with the SuperATV BFT Suspension Kit installed, highlighting the new A-arms and increased clearance.

6. OPERATION CONSIDERATIONS

After installing the SuperATV BFT Suspension Kit, your vehicle will have increased tire clearance, allowing for larger tires (up to 32 inches). Be aware of the following operational considerations:

- **Vehicle Dynamics:** While designed for stability, any modification to suspension can alter vehicle handling. Drive cautiously until you are accustomed to the new setup.
- **Tire Clearance:** The kit provides clearance for 32-inch tires. Always check for full steering lock clearance and suspension compression clearance before aggressive driving.
- **Off-Road Use:** This kit is designed for demanding off-road conditions. However, always operate your vehicle within its safe limits and be mindful of terrain.



Image 6.1: A Polaris Ranger equipped with the SuperATV BFT Suspension Kit, demonstrating its enhanced stance and tire clearance in a snowy landscape.

7. MAINTENANCE

Regular maintenance of your suspension components is crucial for longevity and safe operation.

- **Inspection:** Periodically inspect all A-arms, bushings, tie rods, and hardware for signs of wear, damage, or corrosion. Check for any loose bolts or nuts.
- **Cleaning:** After off-road use, clean suspension components to remove dirt, mud, and debris that can accelerate wear.
- **Lubrication:** If your A-arms are equipped with grease zerks, lubricate them regularly according to the manufacturer's recommendations.
- **Bushings:** Monitor the condition of the bushings. Replace them if they show signs of cracking, excessive wear, or play.

8. TROUBLESHOOTING

If you encounter issues after installing your SuperATV BFT Suspension Kit, consider the following common troubleshooting steps:

- **Unusual Noises:** Check all fasteners for proper torque. Inspect for any components rubbing or interfering with each other.
- **Steering Issues/Uneven Tire Wear:** This often indicates an alignment problem. Ensure a professional alignment has been performed after installation.
- **Loose Feel in Suspension:** Re-check all mounting hardware for tightness. Inspect bushings for excessive wear or damage.

For persistent issues, refer to the detailed online instructions or contact SuperATV customer support.

9. SPECIFICATIONS

Model Number	AA-P-RAN1K-2-HC-02
Material	1-1/4" Diameter DOM Steel Tubing
Finish	Powder Coated Black
Tire Clearance	Fits 32" tires with minimal lift
Item Weight	46 pounds
Product Dimensions	28 x 18 x 9 inches

10. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please visit the official SuperATV website or contact their customer service department directly. SuperATV is committed to providing quality products and support for their customers.

You can find more information and contact details on the [SuperATV Store on Amazon](#).