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› [SuperATV](#) /

› SuperATV EZ-STEER Power Steering Kit User Manual

SuperATV PS-P-SPT-XP850-380#AN

SuperATV EZ-STEER Power Steering Kit User Manual

Model: PS-P-SPT-XP850-380#AN

For Polaris Scrambler 850 (2012-2014)

1. PRODUCT OVERVIEW

The SuperATV EZ-STEER Power Steering Kit is an advanced system designed to enhance the steering experience of your Polaris Scrambler 850 (2012-2014). This kit significantly reduces steering effort, making for more comfortable and enjoyable rides. It also effectively minimizes bump steer, providing a smoother and more consistent handling experience across various terrains.



Figure 1.1: All components included in the SuperATV EZ-STEER Power Steering Kit. This includes the power steering unit, control box, wiring harness, steering shaft, and mounting hardware.

2. KIT COMPONENTS

The EZ-STEER Power Steering Kit includes the following primary components:

- **Power Steering Unit (380W Motor):** The core electric motor that provides steering assistance.

380 Watt Motor



Figure 2.1: The powerful 380 Watt motor, central to the power steering system.

- **Power Steering Control Box:** Manages the power steering unit's operation, featuring an injection molded seal and watertight connections for durability.

Power Steering Control Box With Injection Molded Seal And Watertight Connections



Figure 2.2: The compact control box, designed for easy mounting and installation, with sealed and watertight connections.

- **Wiring Harness:** An improved harness with watertight connectors ensures reliable electrical connections.

Improved Wiring Harness With Watertight Connectors



Figure 2.3: The wiring harness, featuring robust, watertight connectors for secure and durable electrical connections.

- **Steering Shaft Kit:** Components for integrating the power steering unit into the vehicle's steering column.

Steering Shaft Kit



Figure 2.4: The steering shaft and associated components for integration.

- **Mounting Hardware:** Various brackets and fasteners required for secure installation.



Figure 2.5: Assorted mounting plates and brackets for securing the power steering system.

3. SETUP AND INSTALLATION

SuperATV has transitioned to a paperless instruction system for environmental reasons and convenience. To access the detailed installation instructions for your EZ-STEER Power Steering Kit, please refer to the QR code provided on your product invoice. Scanning this QR code with any smart device (tablet, smartphone, etc.) will grant you instant access to the comprehensive installation guide.

Key Installation Features:

- **Easy Installation:** The kit is designed for straightforward installation.
- **No Soldering Required:** The EZ-STEER wiring is designed for plug-and-play connectivity, eliminating the need for soldering.
- **Watertight Design:** The control box and connectors are watertight, ensuring durability and protection against environmental elements.

Important: Ensure all connections are secure and properly sealed as per the detailed installation instructions to prevent water ingress and ensure optimal performance.

4. OPERATING INSTRUCTIONS

Once installed, the SuperATV EZ-STEER Power Steering Kit operates automatically to provide steering assistance. There are no user-adjustable settings or controls required during operation.

- **Reduced Steering Effort:** The system actively reduces the physical effort required to turn the steering wheel, especially at low speeds or when navigating challenging terrain.
- **Speed Sensitive Unit:** The power steering assistance is speed-sensitive, meaning it provides more assistance at lower speeds for easier maneuverability and less assistance at higher speeds for improved road feel and stability.
- **Eliminates Negative Steering Feedback:** The system is designed to virtually eliminate bump steer and other unwanted feedback from the terrain, providing a smoother and more controlled steering experience.

Simply operate your Polaris Scrambler as usual, and the EZ-STEER system will seamlessly enhance your driving experience.

5. MAINTENANCE

The SuperATV EZ-STEER Power Steering Kit is designed for minimal maintenance. Due to its sealed and watertight components, regular servicing is generally not required.

- **Periodic Inspection:** Periodically inspect all visible wiring and connections for any signs of wear, damage, or loose connections. Ensure the watertight seals on the control box and connectors remain intact.
- **Cleaning:** Keep the power steering unit and control box free from excessive dirt, mud, or debris. Use a damp cloth to wipe down components as needed. Avoid high-pressure washing directly on electrical components.
- **Component Integrity:** Check mounting hardware periodically to ensure all bolts and fasteners remain tight and secure.

If any component appears damaged or compromised, contact SuperATV support for assistance.

6. TROUBLESHOOTING

If you experience any issues with your EZ-STEER Power Steering Kit, consider the following basic troubleshooting steps:

- **No Power Steering Assistance:**
 - Check all electrical connections to ensure they are securely plugged in and free from corrosion.
 - Verify that the vehicle's battery is fully charged and providing adequate power.
 - Inspect the wiring harness for any visible cuts, pinches, or damage.
- **Intermittent Assistance:**
 - Ensure all connections are tight and not vibrating loose during operation.
 - Check for any signs of water ingress into the control box or connectors.
- **Unusual Noises:**
 - Confirm that the power steering unit and all mounting hardware are securely fastened and not rubbing against other components.

For persistent issues or problems not resolved by these steps, please contact SuperATV's knowledgeable support staff for further assistance. Do not attempt to disassemble the power steering unit or control box, as this may void your warranty.

7. SPECIFICATIONS

Feature	Specification
Brand	SuperATV
Model Number	PS-P-SPT-XP850-380#AN
Compatible Vehicle Service Type	Polaris Scrambler 850 : 2012-2014
Motor Power	380W
Item Weight	28 pounds
Product Dimensions	19 x 17 x 8 inches
Fit Type	Vehicle Specific Fit

8. WARRANTY AND SUPPORT

SuperATV stands behind the quality of its products. For specific warranty information regarding your EZ-STEER Power Steering Kit, please refer to the documentation included with your purchase or visit the official SuperATV website. SuperATV guarantees 100% fitment for this product.

Should you require assistance with installation, operation, or troubleshooting, SuperATV provides a knowledgeable support staff ready to help. You can find contact information for support on your invoice or the SuperATV official website.

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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