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Alpinestars Bionic Action V2

Alpinestars Bionic Action V2 Motocross Protection Jacket User Manual

MODEL: BIONIC ACTION V2

High-Impact Resistance Protection for Motocross and Powersports

Introduction

The Alpinestars Bionic Action V2 Motocross Protection Jacket is an ultra-lightweight, CE and UKCA certified garment designed to provide excellent upper body protection against impacts. It incorporates advanced Cell Technology for both chest and back protectors, ensuring optimal ventilation and an adaptive fit for various body types. The jacket is engineered for comfort and security during demanding motorsports activities.

Key Features:

- **Ultra-lightweight CE and UKCA certified protectors:** Deliver high-impact upper body protection without compromising agility.
- **Cell Technology chest protector:** Features a highly perforated shell and flexion channel for optimum ventilation and enhanced mobility.
- **Super-ventilated Cell Technology back protector:** Ergonomically engineered for an adaptive fit and effective cooling airflow.
- **Elastic closure system:** Includes quick-release buckles and rotating shoulder strap connectors for fast, personalized fitting across a broad range of body sizes.
- **Padded chassis:** Provides a close-to-body fit for all-day comfort and is compatible with Bionic Neck Support A and X-Strap accessories for enhanced stability.

Setup and Fitting

Proper fitting of your Alpinestars Bionic Action V2 jacket is crucial for maximum protection and comfort. Follow these steps to ensure a secure and effective fit:

1. **Donning the Jacket:** Slide your arms through the sleeves and position the jacket over your torso. The design allows for easy on and off.
2. **Securing the Front:** Fasten the front closure system, ensuring the chest protectors are centered and comfortably positioned.

3. **Adjusting Shoulder Straps:** Utilize the rotating shoulder strap connectors to adjust the fit over your shoulders. These should be snug but not restrictive, allowing full range of motion.
4. **Waist Adjustment:** Engage the elastic closure system with quick-release buckles around your waist. Adjust for a firm, supportive fit that keeps the back protector in place without riding up.
5. **Elbow Protection:** Ensure the elbow protectors are correctly aligned with your elbows. The design aims to prevent slippage during movement or impact.
6. **Compatibility:** If using a Bionic Neck Support A or X-Strap accessories, integrate them with the jacket's compatible features for enhanced stability.



Figure 1: Front view of the Bionic Action V2 Jacket, highlighting the chest protectors and overall fit.



Figure 2: Rear view of the Bionic Action V2 Jacket, showcasing the super-ventilated back protector.

Operating Instructions

The Bionic Action V2 jacket is designed for active use in motocross and powersports environments. Its construction prioritizes both protection and rider comfort.

- **Freedom of Movement:** The ergonomic design and flexible protectors allow for a full range of motion, essential for controlling your vehicle.
- **Ventilation:** The perforated Cell Technology on the chest and back protectors, combined with the overall mesh chassis, provides excellent airflow to keep you cool during intense activity.
- **Impact Protection:** The CE and UKCA certified protectors are strategically placed to shield critical upper body areas from high-impact forces.
- **Layering:** The lightweight and close-fitting design allows the jacket to be worn comfortably under a jersey or other outer layers.

Maintenance

Proper care will extend the life and effectiveness of your protection jacket.

- **Cleaning:** Hand wash only. Do not machine wash, bleach, tumble dry, iron, or dry clean. Use mild

soap and cold water.

- **Drying:** Air dry thoroughly in a shaded area. Avoid direct sunlight or heat sources, as these can degrade materials.
- **Storage:** Store in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the jacket is completely dry before storage to prevent mildew.
- **Inspection:** Regularly inspect the jacket for any signs of wear, tear, or damage to the protectors, fabric, or closure systems. Replace if damage compromises protection.

Troubleshooting

Here are some common issues and potential solutions:

- **Back Protector Riding Up:** Ensure the waist strap is securely fastened and adjusted for a snug fit. Some users may find minor adjustments or custom modifications to the waist belt system beneficial to prevent upward movement during aggressive riding.
- **Elbow Protectors Slipping:** Verify that the arm straps are tightened appropriately. The jacket is designed to keep protectors in place, but individual arm sizes may require precise adjustment.
- **Zipper Issues:** If the zipper becomes stiff or difficult to operate, it may be due to salt or sweat buildup. Clean the zipper teeth with mild soap and water, and apply a zipper lubricant if necessary. Avoid forcing the zipper.
- **Discomfort Around Neck:** If the back plate feels like it's encroaching on the neck, especially in an attack riding position, ensure the shoulder straps are correctly adjusted to distribute the weight and position the back protector optimally.

Specifications

Feature	Detail
Model Name	Bionic Action V2 Motocross Protection Jacket
Brand	Alpinestars
Certification	CE and UKCA certified protectors (Level 2 Cell Technology chest and back)
Material Type	Foam, Plastic, Nylon, Polyester (Cotton/polyester blend fabric)
Item Weight	1.45 Kilograms (approx. 3.2 lbs)
Item Dimensions	5 x 16 x 24 inches
Closure Type	Buckle (Elastic closure system with quick-release buckles)
Care Instructions	Hand Wash Only
Sport Type	Motorsports
Age Range Description	Adult

Warranty and Support

For specific warranty information and support, please refer to the official Alpinestars website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

Visit the [Alpinestars Store](#) for more products and information.

