

GREEN DEVIL E-Matrix-Suspension-f

GREEN DEVIL Hard Hat Replacement Suspension

Model: E-Matrix-Suspension-f

INTRODUCTION

This manual provides instructions for the proper installation, adjustment, and maintenance of your GREEN DEVIL Hard Hat Replacement Suspension. This suspension system is designed for use with GREEN DEVIL E-Matrix Series Carbon Fiber and Fiberglass full brim hard hats, ensuring a secure and comfortable fit for head protection.

IMPORTANT SAFETY INFORMATION

- Always ensure the suspension is correctly installed and adjusted before use.
- Inspect the suspension regularly for any signs of wear, damage, or deterioration. Replace immediately if any damage is found.
- Do not modify the suspension system.
- Use only with compatible GREEN DEVIL E-Matrix hard hats.

PACKAGE CONTENTS

- 1 x GREEN DEVIL Hard Hat Replacement Suspension (4-point ratchet liner system)
- 1 x Padded Sweatband
- 1 x Top Pad

INSTALLATION INSTRUCTIONS

The GREEN DEVIL Hard Hat Replacement Suspension is designed for easy, tool-free installation. Follow these steps to correctly attach the suspension to your hard hat shell.

1. **Prepare Hard Hat:** Ensure your hard hat shell is clean and free of debris.

2. **Identify Attachment Points:** Locate the four attachment slots inside your hard hat shell.
3. **Align Suspension:** Position the suspension system inside the hard hat, aligning the four attachment points on the suspension with the slots in the hard hat shell. The ratchet mechanism should be at the back of the hard hat.
4. **Secure Front Points:** Insert the two front attachment tabs of the suspension into the corresponding slots in the hard hat shell. Push firmly until they click into place.
5. **Secure Rear Points:** Insert the two rear attachment tabs into their slots, ensuring all four points are securely fastened.
6. **Attach Sweatband and Top Pad:** If not pre-attached, secure the padded sweatband to the front of the suspension and the top pad to the crown area using the integrated fasteners (e.g., hook-and-loop or clips). Ensure they are positioned for maximum comfort and sweat absorption.



Image: The GREEN DEVIL Hard Hat Replacement Suspension showing its components, including the 4-point system, ratchet, sweatband, and top pad.

ADJUSTMENT AND FIT

Proper adjustment of the suspension system is crucial for comfort and safety.

- **Ratchet Adjustment:** Use the ratchet knob located at the back of the suspension to adjust the

circumference. Turn the knob clockwise to tighten and counter-clockwise to loosen, achieving a snug but comfortable fit around your head.

- **Pivot Adjustment:** The suspension features pivot adjustments to help position the hard hat securely on your neck, optimizing balance and stability. Adjust these points as needed for personal comfort.

MAINTENANCE AND CARE

Regular maintenance extends the life of your hard hat suspension.

- **Cleaning:** The padded sweatband and top pad can be removed for cleaning. Hand wash with mild soap and water, then air dry completely before reattaching. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect all components of the suspension system, including the straps, ratchet mechanism, and attachment points, for cracks, tears, fraying, or other signs of wear.
- **Replacement:** Replace the suspension system immediately if any damage is observed or if it has been subjected to an impact, even if visible damage is not apparent.

TROUBLESHOOTING

This section addresses common issues you might encounter.

Issue	Possible Cause	Solution
Hard hat feels loose	Suspension not tightened sufficiently	Adjust the ratchet knob clockwise until a snug fit is achieved.
Hard hat feels uncomfortable	Incorrect adjustment or positioning	Re-adjust the ratchet and pivot points. Ensure sweatband and top pad are correctly positioned.
Suspension detaches from hard hat	Improper installation	Re-install the suspension, ensuring all four attachment points click securely into place.
Excessive sweating	Sweatband saturation	Remove and clean the sweatband. Ensure it is properly attached and positioned.

PRODUCT SPECIFICATIONS

- **Brand:** GREEN DEVIL
- **Model Name (Series):** E-Matrix
- **Manufacturer Part Number:** E-Matrix-Suspension-f
- **Material:** Polyvinyl Chloride (PVC)
- **Closure Type:** Ratchet
- **Size Adjustment:** Fits hat sizes 6.5 to 8 (52 to 64 cm)
- **Suspension Type:** 4-point ratchet liner system
- **Compatibility:** GREEN DEVIL E-Matrix Series Carbon Fiber and Fiberglass full brim hard hats

WARRANTY AND CUSTOMER SUPPORT

For warranty information or customer support regarding your GREEN DEVIL Hard Hat Replacement Suspension, please contact GREEN DEVIL SAFETY directly. Refer to the contact information provided with your original hard hat or visit the official GREEN DEVIL website for assistance.