

EPIC™ BALLISTIC

USER GUIDE



TEAM WENDY®
AN AVON PROTECTION COMPANY

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NOTE

For any topics not outlined in this guide, including warranty information, please visit TeamWendy.com.

A dark gray header featuring a white topographic map pattern with various contour lines.

Please carefully read, understand, and always follow all safety information contained in these instructions prior to the use of this Ballistic Helmet.

FAILURE TO FOLLOW ALL SAFETY INFORMATION COULD
RESULT IN SERIOUS INJURY OR DEATH.

Retain these instructions for future reference.

WARNING

Follow these instructions to appropriately use the Ballistic Helmet to reduce the risks associated with ballistic or blunt impact. Failure to follow the instructions below could severely compromise the ability to protect the wearer and increases the risk for serious injury or death:

- Read and follow the User Instructions prior to use of this Ballistic Helmet.
- Many factors uniquely within the user's knowledge and control can affect the use and performance of the Ballistic Helmet. The user is solely responsible for evaluating the Ballistic Helmet and determining whether the Ballistic Helmet is suitable to the user's intended conditions of use.
- Inspect the Ballistic Helmet according to the inspection guidelines prior to each use.
- Never modify or alter the Ballistic Helmet.
- Do not use the Ballistic Helmet if it does not fit properly.
- Never pull too tightly on any strap while putting on the helmet. Always position Ballistic Helmet on head and hold in place with one hand on top of Ballistic Helmet for initial adjustment. This prevents the helmet from becoming uncomfortable and tilted on your head and it prevents the chin cup from becoming uncentered.
- All suspension system components must be properly installed in the Ballistic Helmet. Wearing the Ballistic Helmet with missing or incorrectly installed suspension system components severely compromises the ability to protect the wearer.
- Never machine wash or dry any component of the Ballistic Helmet or the Ballistic Helmet itself.
- Do not expose to an external heat source.
- Do not use the Ballistic Helmet as a hammer, shovel, chair, or for any other unintended purpose.
- Do not store the Ballistic Helmet outside of the specified storage conditions outlined in the User Instructions.
- Do not use in place of an appropriately rated helmet for motor vehicle use.

The background of the entire page is a dark gray topographic map with white contour lines. The lines are irregular and wavy, creating a complex, organic pattern that fills the entire frame. The lines vary in thickness and spacing, suggesting different elevations and terrain features.

SECTION 1

DESCRIPTIONS AND CAPABILITIES

DESCRIPTIONS AND CAPABILITIES

Performance Standards and Certifications

- Ballistic Performance: NIJ Level III-A (according to NIJ STD 0106.01/0108.01)
- Fragment Performance: 17gr $V_{50} \geq 2560$ ft/s (780 m/s)
- Backface Deformation: 9mm FMJ RN < 25.4 mm
- Meets ACH Gen II Blunt Impact requirements per AR/PD14-01 and AEP 2902 clause 4.1.1.1 Method H

⚠ WARNING

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Product is export controlled under the U.S. Export Administration Regulations (EAR).

SECTION 1

DESCRIPTIONS AND CAPABILITIES

Equipment Capabilities, Characteristics and Features



The EPIC Helmet provides multiuse ballistic protection at a significant weight reduction over conventional combat helmets for improved mobility and reduced fatigue.

Physical Properties (Not for specification purposes)

Size Available	S, M, L, XL
Shell Cut	Full, Mid, High
Colors	Black, Green, Brown

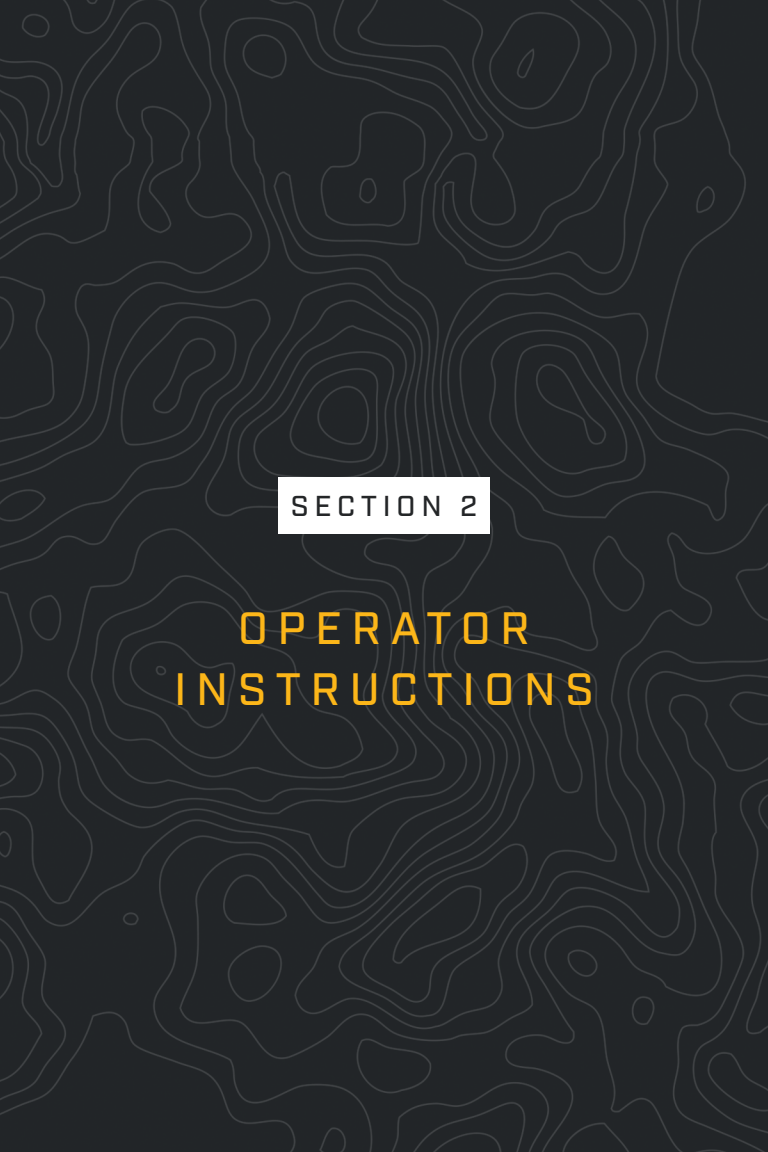
SECTION 1

DESCRIPTIONS AND CAPABILITIES

Major Subsystems

- 1 High-Cut Helmet
- 2 Mid-Cut Helmet
- 3 Full-Cut Helmet
- 4 Suspension System
- 5 Retention System
- 6 No Thru-Hole NVD Shroud
- 7 No Thru-Hole Rails
- 8 Exterior Loop Set
- 9 Shock Cord
- 10 Front Cover



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SECTION 2

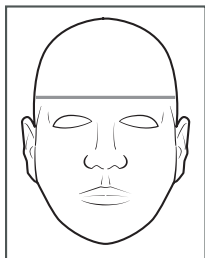
OPERATOR INSTRUCTIONS

OPERATOR INSTRUCTIONS

Sizing to Head Circumference

It is important that the helmet is fit properly to achieve the correct protection level for the wearer.

Measuring to determine shell size:



- 1 User must be seated in an upright position.
- 2 Measure the maximum head circumference by pressing the tape just above the bony eyebrow ridge of the forehead and above both ears. Tape measure must be pulled tightly.
- 3 Using the following table, select the helmet shell size.

⚠ WARNING

Never pull too tightly on any strap while putting on the helmet. Always position Ballistic Helmet on head and hold in place with one hand on top of Ballistic Helmet for initial adjustment. This prevents the helmet from becoming uncomfortable and tilted on your head and prevents the chin cup from becoming uncentered. For the initial set-up please don the helmet in front of a mirror or colleague to ensure the helmet is level and the chinstrap is centered.

Helmet Size	Small	Medium	Large	XLarge
Suspension Type	Head Circumference			
Team Wendy 8 Pad Liner System	20.25-21.25 in (52-54 cm)	21.26-22.4 in (54-57 cm)	22.5-23.5 in (57-60 cm)	23.6-25.2 in (60-64 cm)
Team Wendy EPIC Air® Fit	20.25-21.25 in (52-54 cm)	21.26-22.4 in (54-57 cm)	22.5-23.5 in (57-60 cm)	23.6-25.2 in (60-64 cm)

OPERATOR INSTRUCTIONS

Retention Fit Adjustment

Look at the back of your helmet and identify which retention system is in your helmet. Note this for the instructions that follow.

⚠ WARNING

Do not use the Ballistic Helmet if it does not fit properly.



Team Wendy CAM FIT
Retention System



Team Wendy H-Back

Team Wendy CAM FIT Retention System Adjustment

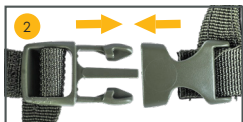
- 1 Loosen all four cam buckles by pulling up on the locking tab.
- 2 With cam buckles open, fully loosen straps by sliding buckles toward the helmet.



- 3 Release the adjustment dial lock by pulling outward on the dial (1).
- 4 Place the helmet on operator's head and buckle the chin strap with chin in the chin cup.

SECTION 2

OPERATOR INSTRUCTIONS



- 3** Re-engage the adjustment dial locking/ratchet mechanism by pushing inward on the adjustment dial.

- 4** Turn the adjustment dial until the helmet fits snug on the head. Correct fit should be comfortable but tight enough to hold helmet in place when head is shaken slightly.
- 5** Slide the cam buckles on the lower webbing straps forward or backward until snug and then close the locking tab on the cam buckles.



Retention
NOT adjusted
correctly. Helmet
edge trim at ear
location is NOT
Horizontal.



Retention
adjusted correctly.
Helmet edge trim
at ear location is
Horizontal.



Retention
NOT adjusted
correctly. Helmet
edge trim at ear
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Horizontal.

- 6** Slide the cam buckles on the temple straps down until snug and the helmet is aligned as shown above.
- 7** When satisfied with orientation and fit, close the locking tabs on the cam buckles.
- 8** Ensure helmet is stable and make minor adjustments as needed.

SECTION 2

OPERATOR INSTRUCTIONS

H-Back Chinstrap Fitting



- 1 Use pull tabs to completely loosen the chinstrap.
- 2 While wearing the helmet, buckle the chinstrap.
- 3 Tighten pull tabs until chinstrap is snug and helmet is secure.

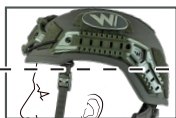
- 4 Loose retention straps should be tucked into the shell during helmet transport and storage to avoid risk of damage to buckles.



Retention
NOT adjusted
correctly. Helmet
edge trim at ear
location is NOT
Horizontal.



Retention
adjusted correctly.
Helmet edge trim
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The background of the entire page is a dark gray topographic map with white contour lines. The lines are of varying thickness and form, creating a complex, organic pattern that resembles a mountain range or a series of hills. The lines are more densely packed in some areas, indicating steeper slopes, and more spread out in others, indicating flatter terrain. The overall effect is a textured, layered appearance.

SECTION 3

MAINTENANCE
PROCEDURES

Product Use & Storage

Proper storage and use of the helmet is important in order to maintain its protective capabilities.

Product modifications/alterations, including through misuse, abuse, neglect, mishandling, breakage, damage, unauthorized repair or service, ordinary wear-and-tear, abnormal or abusive maintenance, accidents, natural forces, acts of God, or other causes may be detrimental to the helmet intended capability.

Proper use and care of the product includes, but is not limited to, avoidance of the following:

- Exposure to chemicals and/or solvents.
- Storage in high heat.
- Storage in direct sunlight for prolonged periods of time.
- Storage in damp areas.

WARNING

Do not store the Ballistic Helmet outside of the specified storage conditions outlined in the User Instructions.

Do not expose Helmet to an external heat source.

Washing Instructions

Clean as needed after use.

Helmet Shell

- 1 Clean with mild soap and water using a soft brush or cloth.
- 2 Rinse thoroughly in clean water.
- 3 Allow to air dry either indoors or in shade, away from heat sources.

Suspension (pads) and Retention Systems



- 1 Remove pads and retention system from helmet.
- 2 Hand wash with a mild detergent.
- 3 Allow to air dry either indoors or in shade, away from heat sources.

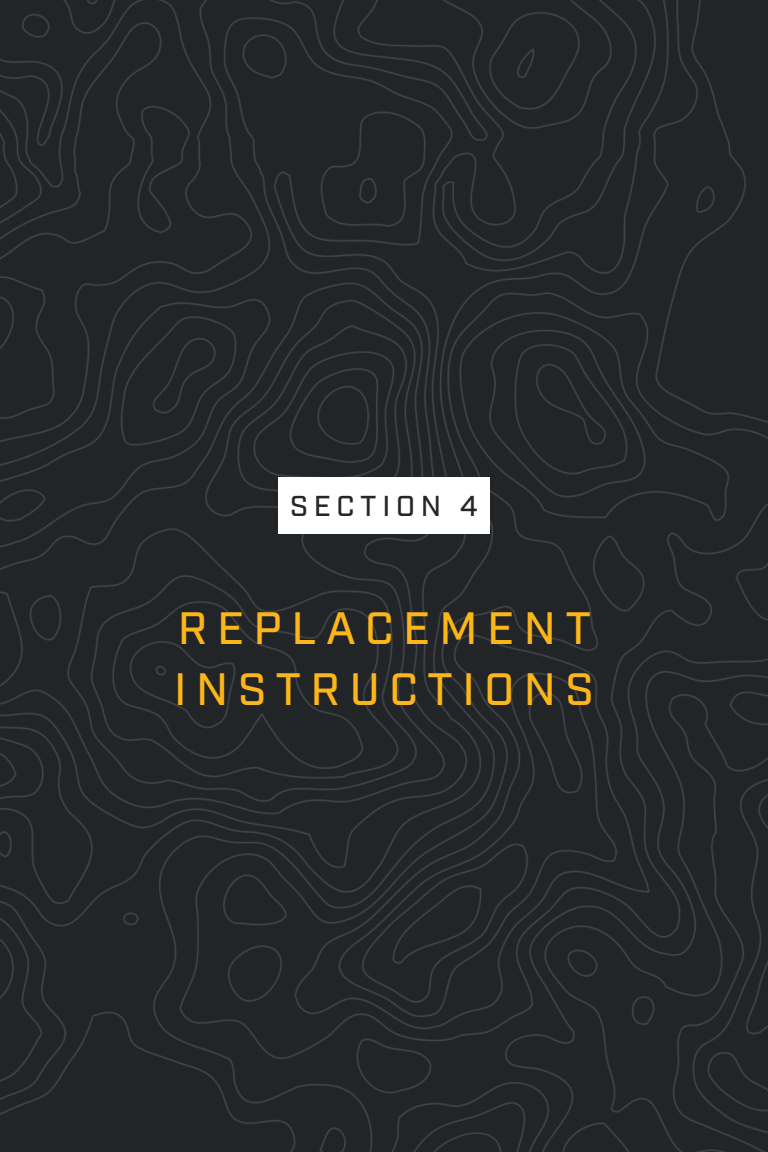
Recommendation: A small brush is useful in removing dirt from the hook disks on the inside of the shell. Keeping the hook and loop clean will help to maintain the ability of the pads to stick to the inside of the helmet.

Operators Inspection Checklist

- Inspect helmet prior to and following each use.
- Inspect the exterior of the shell for any visual dents. If any dents are found, remove the suspension pads and retention system and inspect the interior of the shell for a corresponding inside dent. If a corresponding interior dent is identified, the helmet must be replaced. Failure to observe this precaution could result in serious injury or death to user.
- Inspect the exterior of the helmet for any major scratches or gouges in the surface of the helmet. Any scratch or gouge that exposes white fibers indicate the need for helmet replacement. Failure to observe this precaution could result in serious injury or death to user.
- Inspect the hook and pile attachment pads for the suspension system, retention system and exterior loop pads for a secure bond to the helmet surface. Peeling or delaminating pads must be replaced with new pads.
- Inspect the screws that attach the rails (if present) and front plate or NVD shroud to the helmet. Ensure that they are snug and have not had the threads stripped.
- Inspect the retention strap attachment to the helmet shell. Make sure each clip is fully seated in the appropriate slot.

WARNING

Inspect the Ballistic Helmet according to the inspection guidelines prior to each use.

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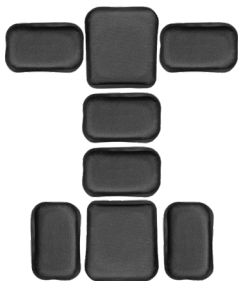
SECTION 4

REPLACEMENT INSTRUCTIONS

REPLACEMENT INSTRUCTIONS

Suspension Subsystem Replacement

There are two different suspension systems offered with this helmet that meet the Blunt Impact performance specifications. When installing these they should be positioned as shown in the “as-worn” configuration.



Team Wendy ZAP™
8 Pad Set



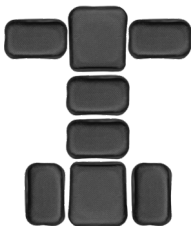
Team Wendy EPIC Air™
Fit Pad Set



Comfort Pads

REPLACEMENT INSTRUCTIONS

Liner Replacement: ZAP 8-Pad System



- 1 Remove old pads as needed by slowly peeling them off the Velcro® hook that is attached to the helmet shell. Make sure the hook remains securely attached to the shell.
- 2 Install the new pads by pressing them firmly against the helmet shell and hook, printed side down, mesh fabric side up. Install the shapes in the following order:
 - > Place the two “trapezoid” pads centered in the front and rear of the helmet. The widest edge of the pad is placed flush with the inside edge of the plastic trim attached to the helmet brim.
 - > Place two of the six “oblong” pads (rectangle in appearance) sideways in the crown of the helmet, evenly spaced between the front and rear pads.
 - > Place two oblong pads in the rear of the helmet, pressed tightly against each vertical edge of the rear pad.
 - > Place the last two oblong pads in the front half of the helmet, directly above the retention mounting clips. The orientation of these pads may be adjusted for comfort.

SECTION 4

REPLACEMENT INSTRUCTIONS

Liner Replacement: EPIC™ Air Fit



- 1 Remove old pads as needed by slowly peeling them off the Velcro® hook that is attached to the helmet shell. Make sure the hook remains securely attached to the shell.
- 2 Install the new pads by pressing them firmly against the helmet shell and hook. The flat side with flange goes against the shell. Install the three impact liner pads in the following order:
 - Place the front impact liner section so the pad edge is flush with the inside edge of the plastic trim attached to the helmet brim. The pad should be centered left-to-right within the helmet.
 - Place the rear impact liner section so the pad edge covers the retention clips without covering the plastic trim attached to the helmet brim.
 - Place the crown impact liner section between the front and rear pads, centered in the helmet.

SECTION 4

REPLACEMENT INSTRUCTIONS



- 3 Install the comfort pads on top of the impact layer as needed to achieve best fit, starting with the front comfort pad. The back of each comfort pad has Velcro® hook panels for attachment. After testing the fit, add, remove, or reposition pads as desired.

REPLACEMENT INSTRUCTIONS

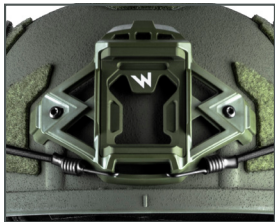
Retention Subsystem Replacement

- 1 Remove or peel back the liner system pads as needed to get access to the retention mounting clips.
- 2 Use needle nose pliers to pinch the wings of the mounting clip toward the center and slide the clip through the slot in the plastic trim attached to the shell brim. Repeat this process for each of the four mounting clips until the retention is removed.
- 3 Install the new retention system by pressing the arc of the mounting clip through the slot in the plastic trim. Start with the back of the helmet. Before installing each clip, make sure the webbing straps are properly aligned and not twisted.
- 4 For CAM FIT™ retentions:
 - After installing the two rear clips, position the VELCRO® headband panel against the inside surface of the shell. The edge of the panel should be centered and approximately flush with the inside edge of the plastic trim attached to the shell brim. Check the headband wires for unwanted twisting before proceeding.
 - Install the two front clips so the Velcro® panel remains tight against the shell, behind the clips.



REPLACEMENT INSTRUCTIONS

Shroud Subsystem Replacement



- 1 Use a Torx T15 Screwdriver, driver tip, or L-key to remove the two screws holding the shroud in place. Retain screws.
- 2 Place the shroud on the helmet, aligning the two mounting slots in the shroud with the two mounting holes on the helmet.
- 3 Use a Torx T15 Screwdriver, driver tip, or L-key to install supplied self-tapping screws and tighten to a torque of 4 in-lbs. Start each fastener before final tightening. **DO NOT OVERTIGHTEN**, as this may strip the helmet shell material, causing permanent damage to the helmet.



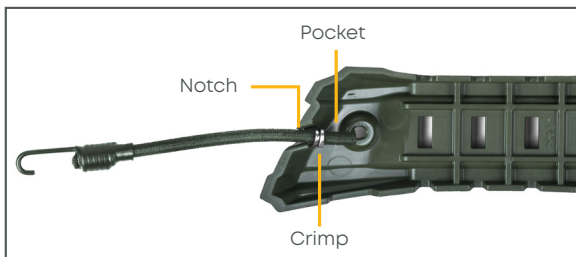
REPLACEMENT INSTRUCTIONS

Shock Cord Subsystem Replacement



The accessory rails can be equipped with NVD Security/Stability Shock Cords as shown.

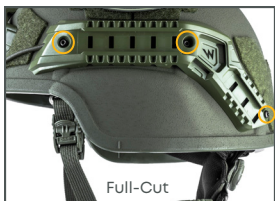
- 1 Follow instructions for Rail installation.
- 2 To install the shock cord: Just before installing the rail, lay the cord into the notch on the front of the rail, making sure the metal cord crimp is inside its pocket. The bungees are captured between the helmet and the rail when the rail is installed.



SECTION 4

REPLACEMENT INSTRUCTIONS

Accessory Rail Subsystem Replacement



- 1 If the helmet does not have rails: remove hole plug fasteners from helmet shell using a Torx T6 Screwdriver, driver tip, or L-key. There are three plugs on each side of the helmet.



- 2 If the helmet has rails, use a Torx T15 Screwdriver, driver tip, or L-key to remove the three screws holding the rail in place. Lift the rail off the helmet. Retain screws.



- 3 If installing shock cord with the rails, see Shock Cord Installation.
- 4 Place rail on helmet, aligning the three circular holes through the rail with the three mounting holes on the helmet.

- 5 Use a Torx T15 Screwdriver, driver tip, or L-key to install supplied self-tapping screws and tighten to a torque of 4 in-lbs. Start each screw before final tightening. DO NOT OVERTIGHTEN, as this may strip the helmet shell material, causing permanent damage to the helmet.

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INNOVATE TO PROTECT



Founded in 1997, Team Wendy is dedicated to providing exceptional head protection systems designed from the inside out for those who risk their lives every day. Our Cleveland-based company places a strong focus on the prevention of traumatic brain injury (TBI) in honor of our namesake Wendy Moore, who died tragically from a TBI following a ski accident. In Wendy's name, we are steadfast in our pursuit of improving head protection research, design and development, bringing more choice, better technology and reliable customer service to the industry.



Military



Law Enforcement



Search & Rescue



Adventure



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