

TEAM WENDY® RIFLETECH™

USER GUIDE



INNOVATE TO PROTECT



SECTION 1

DESCRIPTIONS AND CAPABILITIES

PERFORMANCE STANDARDS AND CERTIFICATIONS	7
EQUIPMENT CAPABILITIES, CHARACTERISTICS AND FEATURES	8
MAJOR SUBSYSTEMS	9

SECTION 2

OPERATOR INSTRUCTIONS

SIZING TO HEAD CIRCUMFERENCE	11
RETENTION FIT ADJUSTMENT	12

SECTION 3

MAINTENANCE PROCEDURES

PRODUCT USE & STORAGE	15
WASHING INSTRUCTIONS	16
OPERATOR INSPECTION CHECKLIST	17

SECTION 4

REPLACEMENT INSTRUCTIONS

SUSPENSION SUBSYSTEM REPLACEMENT	21
RETENTION SUBSYSTEM REPLACEMENT	24
SHROUD SUBSYSTEM REPLACEMENT	25
SHOCK CORD SUBSYSTEM REPLACEMENT	26
ACCESSORY RAIL SUBSYSTEM REPLACEMENT	27

NOTE

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

A dark grey header with a white topographic map pattern of 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. It features intricate, light gray contour lines that swirl and loop across the surface, creating a complex, organic pattern. The lines vary in thickness and density, suggesting different elevations and geographical features.

SECTION 1

DESCRIPTIONS AND CAPABILITIES

DESCRIPTIONS AND CAPABILITIES

Performance Standards and Certifications

- > Ballistic Performance: defeats threats NIJ RF1 (STD 0123.00) and NIJ Level III (STD 0108.01) tested in accordance with NIJ STD 0106.01
- > Fragment Performance: 17gr $V_{50} \geq 4430$ ft/s (1350 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
- > RTP at muzzle velocity
 - > 7.62x39 MSC
 - > 7.62x51 FMJ (M80 Ball NATO Round)
 - > 5.56 M193 BT
 - > 9mm FMJ RN

⚠ WARNING

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.

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

SECTION 1

DESCRIPTIONS AND CAPABILITIES

Equipment Capabilities, Characteristics and Features



The RIFLETECH™ 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	High Cut
Colors	Black, Ranger Green, Coyote Brown

SECTION 1

DESCRIPTIONS AND CAPABILITIES

Major Subsystems

- 1 High-Cut Helmet
- 2 Suspension System
- 3 Retention System
- 4 No Thru-Hole NVG Shroud
- 5 No Thru-Hole Rails
- 6 Exterior Loop Set
- 7 Shock Cord



The background of the entire page is a dark gray topographic map with intricate, light gray contour lines. These lines form various loops and swirls, creating a complex, organic pattern that resembles a terrain map. The lines are more densely packed in some areas, suggesting steeper slopes, and more spread out in others.

SECTION 2

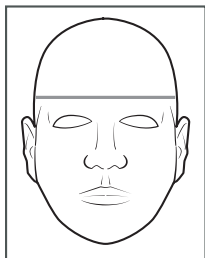
OPERATOR INSTRUCTIONS

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 RIFLETECH™ Air Fit 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)

OPERATOR INSTRUCTIONS

Retention Fit Adjustment

⚠ WARNING

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



Team Wendy CAM FIT
Retention System

Team Wendy CAM FIT Retention System Adjustment

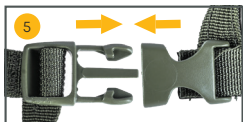
- 1 Loosen all four cam buckles by pulling up on the locking tab.
- 2 With cam buckles open, fully loosen straps by sliding buckles toward the helmet.



- 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



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

- 7** 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.
- 8** 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
location is NOT
Horizontal.

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

The background of the entire page is a dark gray topographic map with intricate, light gray contour lines. These lines form various loops and swirls, creating a complex, organic pattern that resembles a terrain map. The lines are more densely packed in some areas, suggesting steeper slopes, and more spread out in others.

SECTION 3

MAINTENANCE PROCEDURES

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.

MAINTENANCE PROCEDURES

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.

MAINTENANCE PROCEDURES

Operators Inspection Checklist

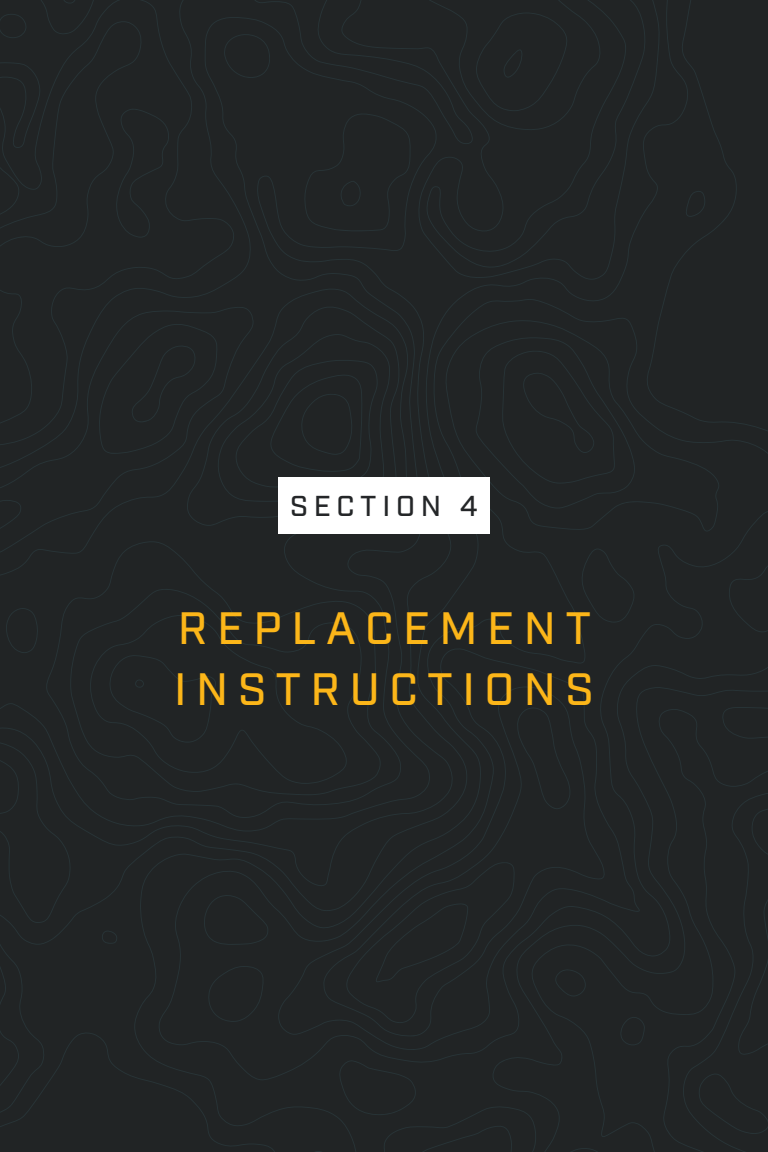
- Inspect helmet prior to and following each use.
- Inspect the exterior of the shell for any visual dents. If any dents are found, remove the suspension pads and retention system and inspect the interior of the shell for a corresponding inside dent. If a corresponding interior dent is identified, the 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 NVG 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.





The background of the entire page is a dark gray topographic map with intricate, light gray contour lines. These lines form various loops and swirls, creating a complex, organic pattern that resembles a landscape's elevation. The lines are more densely packed in some areas, suggesting steeper slopes, and more spread out in others.

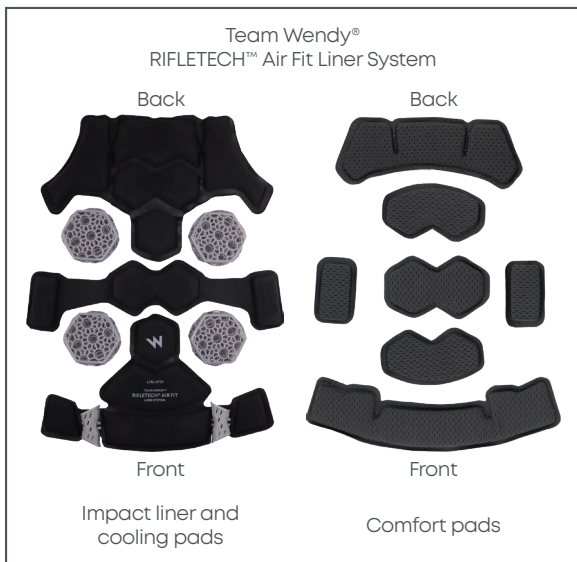
SECTION 4

REPLACEMENT INSTRUCTIONS

REPLACEMENT INSTRUCTIONS

Suspension Subsystem Replacement

When installing the RIFLETECH™ Air Fit Liner System it should be positioned as shown in the “as-worn” configuration. (If using the compatible EPIC® Air Fit, reference the replacement instructions)



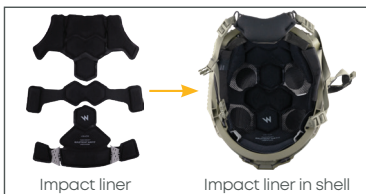
REPLACEMENT INSTRUCTIONS

Liner Replacement: RIFLETECH™ Air Fit Liner 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.



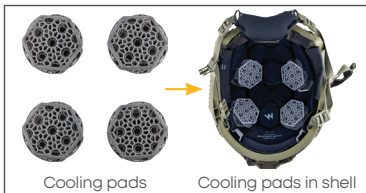
- 2 Install the new pads by pressing them firmly against the helmet shell and hook. The flat side with flange goes against the shell. Install the three impact liner pads in the following order:
 - Place the front impact liner section so the pad edge is flush with the inside edge of the plastic trim attached to the helmet brim. The pad should be centered left-to-right within the helmet.
 - Place the crown impact liner section between the front and rear pads, centered in 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.



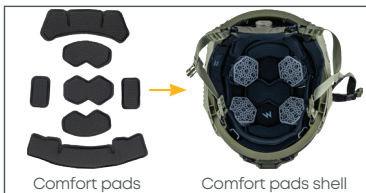
SECTION 4

REPLACEMENT INSTRUCTIONS

- 3** Install the four cooling pads by placing each pad into the space between the impact liners.



- 4** 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

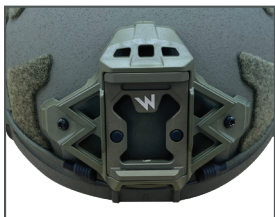
- 1 Remove or peel back the liner system pads as needed to get access to the retention mounting clips.
- 2 Use needle nose pliers to pinch the wings of the mounting clip toward the center and slide the clip through the slot in the plastic trim attached to the shell brim. Repeat this process for each of the four mounting clips until the retention is removed.
- 3 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 8 in-lbs. Start each fastener before final tightening.

⚠ WARNING

DO NOT OVERTIGHTEN, as this may strip the helmet shell material, causing permanent damage to the helmet.

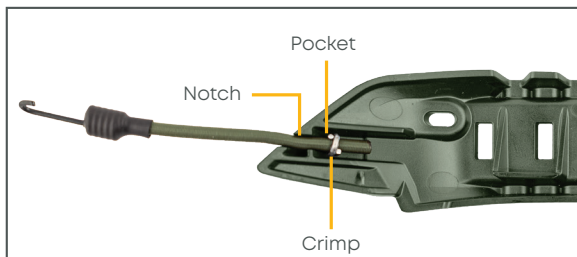
REPLACEMENT INSTRUCTIONS

Shock Cord Subsystem Replacement



The accessory rails can be equipped with NVG 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.



REPLACEMENT INSTRUCTIONS

Accessory Rail Subsystem Replacement



- 1** 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.
- 2** 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 and slide the front and back sections of the rail behind tabs on the plastic band around the bottom edge of the helmet shell.
- 5** Use a Torx T15 Screwdriver, driver tip, or L-key to install supplied self-tapping screws and tighten to a torque of 8 in-lbs. Start each screw before final tightening.

⚠ WARNING

DO NOT OVERTIGHTEN, as this may strip the helmet shell material, causing permanent damage to the helmet.

Limitation of Liability

Except where prohibited by law, Avon Protection will not be liable for any loss or damages arising from the Avon Protection product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

Technical Information

Technical information, recommendations, and other statements contained in this document or provided by Avon Protection personnel are based on tests or experience that Avon Protection believes are reliable, but the accuracy or completeness of such information is not guaranteed. Such information is intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any Avon Protection or third party intellectual property rights is granted or implied with this information.

Export Control

The Avon Protection product(s) listed here may be controlled commodities under applicable U.S. export control laws and regulations, including, but not limited to, the U.S. International Traffic in Arms Regulations (ITAR) and the Export Administration Regulations (EAR). These laws and regulations may, among other things, prohibit the export and/or reexport of controlled product(s) to any or all locations outside of the United States without prior U.S. Government export authorization, the sharing of export controlled technical data and services with those anywhere who are not U.S. citizens or U.S. permanent residents, dealings with U.S. Government, United Nations and other "Restricted Parties," and proliferation activities including those that further nuclear, chemical, or biological warfare, missile stockpiling/use, or the use of rockets or unmanned aerial vehicle systems. Avon Protection and purchasers or prospective purchasers of the Avon Protection product(s) shall comply with all applicable export control laws and regulations, which may require obtaining and maintaining applicable export control authorization or licenses, and understand that the ability of a party to obtain or maintain such authorization or license is not guaranteed. The exporter of record has the sole responsibility to determine whether the export or subsequent reexport of the Avon Protection product(s) requires export authorization. An explicit condition to Avon Protection selling or making available the Avon Protection product(s) is the customer's agreement to comply with all applicable trade compliance laws and regulations.

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



TEAMWENDY.COM | 216.738.2518

G520 REV. 72025