

RECON™ TACTICAL

USER GUIDE



TEAM WENDY®

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NOTE

For any topics not outlined in this guide, including warranty information, please visit [TeamWendy.com](https://www.teamwendy.com).

The background of the entire page is a dark blue-grey color with a complex, organic pattern of thin, light blue-grey lines. These lines resemble topographic contour lines or perhaps a stylized representation of a mountain range or a network of veins. The lines are more densely packed in some areas and more spread out in others, creating a sense of depth and texture.

SECTION 1

DESCRIPTIONS AND CAPABILITIES

DESCRIPTIONS AND CAPABILITIES

Blunt Impact Performance

- EN 12492:2012 (Mountaineer)
- EN 1385:2012 (Whitewater)
- NATO AEP 2902 Method H (Combat)
- US ACH GEN II AR/PD 14-01 (Combat)

DESCRIPTIONS AND CAPABILITIES

Equipment Capabilities, Characteristics and Features

Built for the rigors of technical rescue and mission-critical operations, the RECON™ Tactical is a purpose-built bump helmet that meets a diverse range of operational needs in a single platform. Designed for search and rescue teams, military personnel, Coast Guard operators, and Customs and Border Protection professionals, it combines advanced impact protection with personalized comfort.

The helmet features an NVG shroud that utilizes a machined aluminum shroud insert designed to handle helmet lights for hands-free lighting, night vision and thermal imaging products. It comes preinstalled with a RECON™ AIR FIT Liner System featuring ZORBIUM® Foam Technology and adjustable comfort pads. Integrated shell vents combined with custom 3-D printed lattice cooling pads promote airflow and heat dissipation. Its standard CAM FIT® Retention System with an integrated BOA® Fit System with Cam Lock sliders ensures a secure fit. The low profile reinforced polycarbonate shatter resistant reverse dovetail rail system allows for tactical attachments such as communication headsets, hearing protection, or light systems.

Review any compatibility restrictions for the accessory you would like to mount on its respective product page on TeamWendy.com.

DESCRIPTIONS AND CAPABILITIES

Major Subsystems

The RECON™ Tactical is composed of the following major subsystems, which are illustrated on page 8:

- Helmet Shell Subsystem
- NVG Shroud
- Accessory Rail Subsystem
- RECON™ AIR FIT Liner System

Suspension Subsystem Options

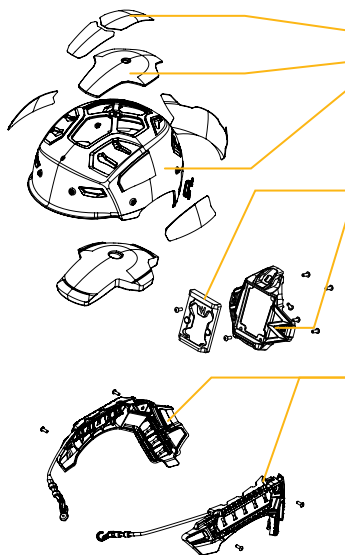
- CAM FIT® Sport-Style Chin Strap
- CAM FIT® Chin Cup

WARNING

Do not remove the suspension impact liner for any reason other than washing or replacement. Helmets are tested with the liner in its preinstalled configuration. Wearing the RECON™ Tactical without a properly installed impact liner could result in serious injury or death.

DESCRIPTIONS AND CAPABILITIES

Major Subsystems



HELMET SHELL SUBSYSTEM

Pile Patches
Carbon Fiber Insert
Helmet Shell

NVG SHROUD SUBSYSTEM

Metal Plate
Plastic Frame

ACCESSORY RAIL SUBSYSTEM

Reverse Dovetail Rail

CAM FIT® RETENTION SUBSYSTEM

Cam Lock Sliders

AVAILABLE IN

Sport-Style Strap
Chin Cup

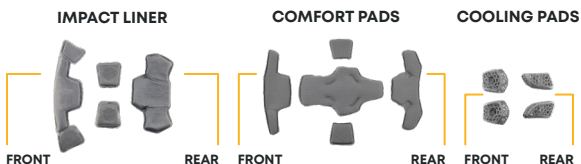
SUSPENSION SUBSYSTEMS

RECON™ AIR FIT
Liner System

DESCRIPTIONS AND CAPABILITIES

Suspension Subsystems

The RECON™ AIR FIT Liner System features our ZORBIUM® Foam Technology. Permanently installed EPS crown pad and EPP rear pad supplement the ZORBIUM® foam pads. The liner system features an antimicrobial wicking and cooling fabric with strategically placed cooling pads. It also contains a series of adjustable comfort pads to customize fit and minimize pressure points.

**PAD CLEANING**

Remove pad(s) from helmet and hand wash with mild soap. Allow pad(s) to air dry completely before reinstalling.

PAD REPLACEMENT

Periodically inspect the pads for damage or wear. Replace any pads with cuts, tears, soft spots or gross deformation.

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SECTION 2

OPERATOR INSTRUCTIONS

SECTION 2

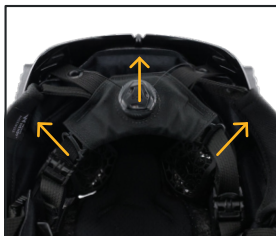
OPERATOR INSTRUCTIONS

Donning / Removing the Helmet and Adjusting Retention

This section provides instructions for donning and removing the RECON™ Tactical, including adjusting the retention chinstrap and headband fit system.

Step 1: Prior to donning, visually inspect the suspension pads and retention system to make sure they appear to be in operational condition. Make sure the chin strap release buckle is unbuckled.

Step 2: Prepare the headband system by releasing any tension on the straps. If the dial is in the locked position, pull the dial head directly outward until it clicks to release the locking mechanism. Pull the headband sleeves and nape pad outward to expand the circumference of the headband.

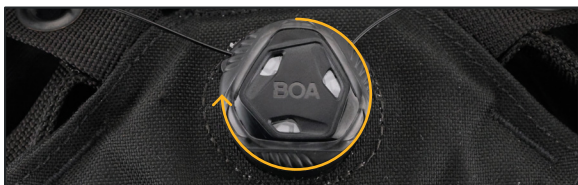


SECTION 2

OPERATOR INSTRUCTIONS

Step 3: Position the helmet on top of the head.

Step 4: While wearing the helmet, press the dial head directly inward to engage the locking mechanism. Twist clockwise to tighten the headband as desired. The headband should pass just above the operator's ears. Adjust the fabric sleeve to cover as much of the cable as possible.



NOTE

To remove the RECON™ Tactical, unbuckle and release the dial from the locked position by pulling the dial directly outward until it clicks.

SECTION 2

OPERATOR INSTRUCTIONS

Step 5: Adjust the position of the retention chin strap by adjusting the length of the attached webbing straps. To adjust the strap length, lift the tab of the Cam Lock slider so that it rotates out of the locked position. Grip the tab and pull the buckle in the desired direction. Secure the position of the slider by pushing down on the tab until it snaps into the locked position, which is flat against the surface of the webbing. Repeat as necessary for all Cam Lock sliders; the CAM FIT® Retention System has four Cam Lock sliders. Be sure to adjust the strap length while donning the helmet to fit appropriately.



Step 6: Evaluate fit with the chin strap buckled. If necessary, repeat the strap adjustment process in step 5 until proper fit is achieved. The retention system should be tightened enough to secure the helmet to the head but not so tight as to cause discomfort. The operator should be able to comfortably move the head and open the jaw to speak.

OPERATOR INSTRUCTIONS

Sizing by Head Circumference

HEAD CIRCUMFERENCE	SIZE 1 (M/L)	SIZE 2 (XL)
CENTIMETERS	55 - 60	up to 63
INCHES	21.5 - 23.5	up to 24.75
HAT SIZE [USA]	6 $\frac{7}{8}$ - 7 $\frac{1}{2}$	up to 7 $\frac{7}{8}$

Sizing and Fitting Instructions

This section provides instructions for selecting a helmet and properly fitting it to the operator's head. Basic instructions are provided which will accommodate the majority of operators; however, due to the many variations in head shape, there will be cases in which these instructions are insufficient.

Throughout the measuring and fitting procedure, evaluations should take place with the operator in an upright standing position and looking directly forward.

Step 1: Select preliminary helmet size based on measurement. Wrap a tape measure around the head, just above the eyebrows and around the back of the head at its widest circumference. Record the measurement. Select a preliminary helmet size (size 1 or size 2) for test fitting using the information in the sizing chart above.

OPERATOR INSTRUCTIONS

Step 2: Don the helmet. Don the helmet by following the instructions in the Donning and Removing the Helmet section, including the retention chinstrap and headband. Add, remove or adjust placement of the comfort pads as desired for optimal comfort and fit. If the helmet fit is too tight or too loose, consult the helmet sizing chart on the previous page to see if your head circumference is within the range of the next smaller or next larger helmet size. If so, exchange the helmet for the alternate size.

Installing / Removing Comfort Pads

Each comfort pad has a hook panel permanently adhered to the back of the pad. Install a comfort pad by pressing the hook panel against the black loop fabric of the suspension system impact liner pad. Portions of the comfort pads may overlap, but comfort pads cannot be installed directly on top of one another. Remove a comfort pad by peeling the hook panel off the impact liner pad.

The background of the entire page is a dark gray topographic map with intricate, light gray contour lines. These 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, organic pattern that covers the entire surface.

SECTION 3

MAINTENANCE
PROCEDURES

SECTION 3

MAINTENANCE PROCEDURES

Storage Instructions

Store the RECON™ Tactical in a temperature and humidity controlled location where the temperature is within 15-27°C (60-80°F) and humidity is within 30-65% Relative Humidity. Avoid exposure to UV radiation, including sunlight.

Inspection and Replacement Schedule

Inspect all components frequently for signs of damage using the Inspection Checklist (following page.) Replace damaged components as soon as possible.

A helmet that exhibits damage to the shell or suspension liner, such as cracking, deformation or soft spots, should be removed from active use.

Recommended Part Replacement Schedule

REPLACEMENT INTERVAL	HELMET COMPONENTS
Every Year	Comfort Pads
Every 2 Years	Retention Impact Liner Hardware
Every 5 Years	Shell Assembly

MAINTENANCE PROCEDURES

Operator's Inspection Checklist

Exterior Inspections

1. **Shell:** The shell is not cracked or dented.
2. **Shroud:** The shroud is not cracked or otherwise damaged. All three mounting fasteners are securely fastened.
3. **Accessory Rails:** The accessory rails are not cracked or otherwise damaged. Both mounting nuts are securely fastened on each rail.

Interior Inspections

4. **ZORBIUM® Foam Liner:** All pads are installed and undamaged. Pads should be replaced immediately if a soft spot is found.
5. **Liner – EPS/EPP Pads:** The molded bead foam pads in the crown and rear of the helmet are undamaged by cracks, permanent dents, or other signs of degradation.
6. **Retention – Cam Locks:** All four Cam Locks on the CAM FIT® Retention System slide freely and lock securely.
7. **CAM FIT® Retention – BOA® Fit System:** Headband tightens when dial is engaged and rotated; headband loosens freely when dial tension is released.
8. **Retention Attachment:** All four straps are securely held against the inside of the shell by plastic clips.
9. **Retention Stitching:** All stitches are secure.

 WARNING

Do not use the helmet until all of the inspection criteria are met. No helmet can protect the wearer from all foreseeable injuries. Severe head and neck injuries may still occur despite proper use of helmet.

Washing Instructions

Wash the helmet regularly, particularly after exposure to sand, salt, sweat and other contaminants. All components of the RECON™ Tactical may be hand washed and air-dried. Hand wash components using a soft bristle brush and mild laundry detergent. Rinse thoroughly and allow components to fully dry before reassembly and use.

The suspension system (pads) and retention system may be removed for washing. Removal and replacement instructions are in Section 4. Removal of the accessory rails is not recommended.

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SECTION 4

REPLACEMENT
INSTRUCTIONS

SECTION 4

REPLACEMENT INSTRUCTIONS

Retention Subsystem Replacement

Tool Required: Needle Nose Pliers

Step 1: Remove or peel back the liner system pads as needed to get access to the retention mounting clips.

Step 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.

Step 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 shell. Check the headband wires for unwanted twisting before proceeding.

Step 4: Install the two front clips so the Velcro® panel remains tight against the shell, behind the clips.



REPLACEMENT INSTRUCTIONS

Suspension Subsystem Replacement**Tools Required: None****Replacing Impact Liner Pads**

Step 1: Remove the old impact liner pads and make sure the hook panels are securely attached to the inside of the shell. Loosen the headband strap completely.

Step 2: Install the rear pad of the new impact liner as close to the edge of the shell as the retention system allows.

Step 3: Install the front pad of the new impact liner along the front of the shell.

Step 4: Install the matching side pads on the left and right sides of the helmet, positioned between the front and rear pads. Adjust pad positions as needed to avoid covering the vent holes in the shell.

 NOTE

The soft side of the pad should be facing the wearer's head after each impact liner pad is installed.

SECTION 4

REPLACEMENT INSTRUCTIONS

Step 5: Install the four cooling pads. Position the square shaped pads on each side in the back, and the elongated pads on each side on the front.

⚠ WARNING

Only the fabric covered pads are replaceable. The molded, bead foam EPS and EPP pads are permanently installed and not intended for removal.



REPLACEMENT INSTRUCTIONS

Accessory Rail Subsystem Replacement

Tools Required: Hex Driver or Hex Key, 1/16-inch

Step 1: Use the hex driver to remove each of the two cap screws (per rail).



SECTION 4

REPLACEMENT INSTRUCTIONS

Step 2: To install the new rail, slide the tab at the back of the rail through the slot on the helmet shell behind the ear opening. The plastic retaining ring for the retention system must be held in place against the helmet shell as the rail is installed.



Step 3: Align the rail with the shell so that each of the two fasteners will go through the holes in the rail and into the threaded brass inserts.

Step 4: Use a 1/16" hex driver to lightly align and begin threading each of the two screws. Start both screws before firmly tightening each one.

NOTE

Make sure the plastic part with a retaining ring for the retention system is in place under the rail.

ENGINEERED BY EXPERIENCE

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 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 better technology to the industry.



Military



Law Enforcement



Search & Rescue



Adventure



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