



Borneo Buoyancy Aid 67080-Series

User Manual

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Revision History

This revision history is to serve as a record of the changes to this manual. The record includes the revision letter, the date of the revision, the page(s) affected, and a brief description of the change.

Rev. #	Date	Written/Revised By	Pages Affected	Description Summary
A	2025-10-17	Vicky-Eve Lovvorn / Sanket Patel	All	Initial Publication

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1.0 Borneo Buoyancy Aid

This manual provides instructions and guidelines for safely using and maintaining the Borneo Buoyancy Aid.

This user manual is applicable to the 67080 series of the Borneo Buoyancy Aid, including standard green and high visibility bladders: for oral inflation. The modular system permits the replacement of either the pouch or bladder as required.

1.1 Product Overview

The Borneo Buoyancy Aid (BA) system features a durable inflatable bladder constructed from high-denier nylon. Available in covert green or high-visibility orange, the bladder provides flexibility for both low-profile and rescue-focused deployments.

Encased in a heavy-duty Cordura® pouch, the Borneo is worn at the waist, offering a streamlined profile that does not interfere with load-bearing equipment, tactical vests, or mobility in confined or aquatic environments. Inflation is achieved through a manual oral inflation tube, allowing controlled activation when needed.

When deployed, the bladder provides 20 lbs. (89 N) of buoyancy, supporting the wearer during waterborne operations or emergency egress. The pouch is available in black or Multicam® to suit operational and uniform requirements.

1.2 Service Life Limit

The service life limit of the Borneo is fifteen (15) years from date of manufacturing.

Technical Data

Size	Universal	Bladder	200 Denier Nylon, PU coated
Weight	0.85 lbs./ 390g	Pouch Fabric	500 Denier Cordura Nylon, PU coated
Inflation System	Oral only (Tube)	Optimal Pressure	1.06 PSI*
Buoyancy	Up to 20 lbs. / 89 N	Operating temperature	-20° to +35°C / -4° to 95°F

**Will differ slightly as per each user's lung capacity.*

Configurations (by color)

Part Number	Description
67080-001	Multicam Pouch, Green Bladder
67080-002	Black Pouch, Green Bladder
67080-003	Multicam Pouch, High Visibility Orange Bladder
67080-004	Black Pouch, High Visibility Orange Bladder

Visual Overview



Figure 1
Borneo, Packed and Sealed



Figure 2
Inflated Borneo (Standard Green & High Visibility)

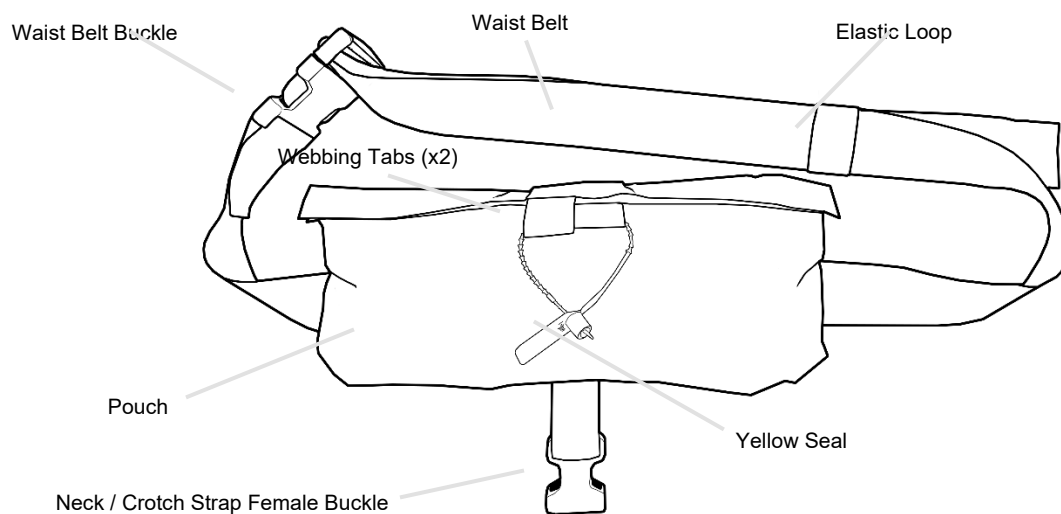


Figure 3
Packed Borneo Diagram

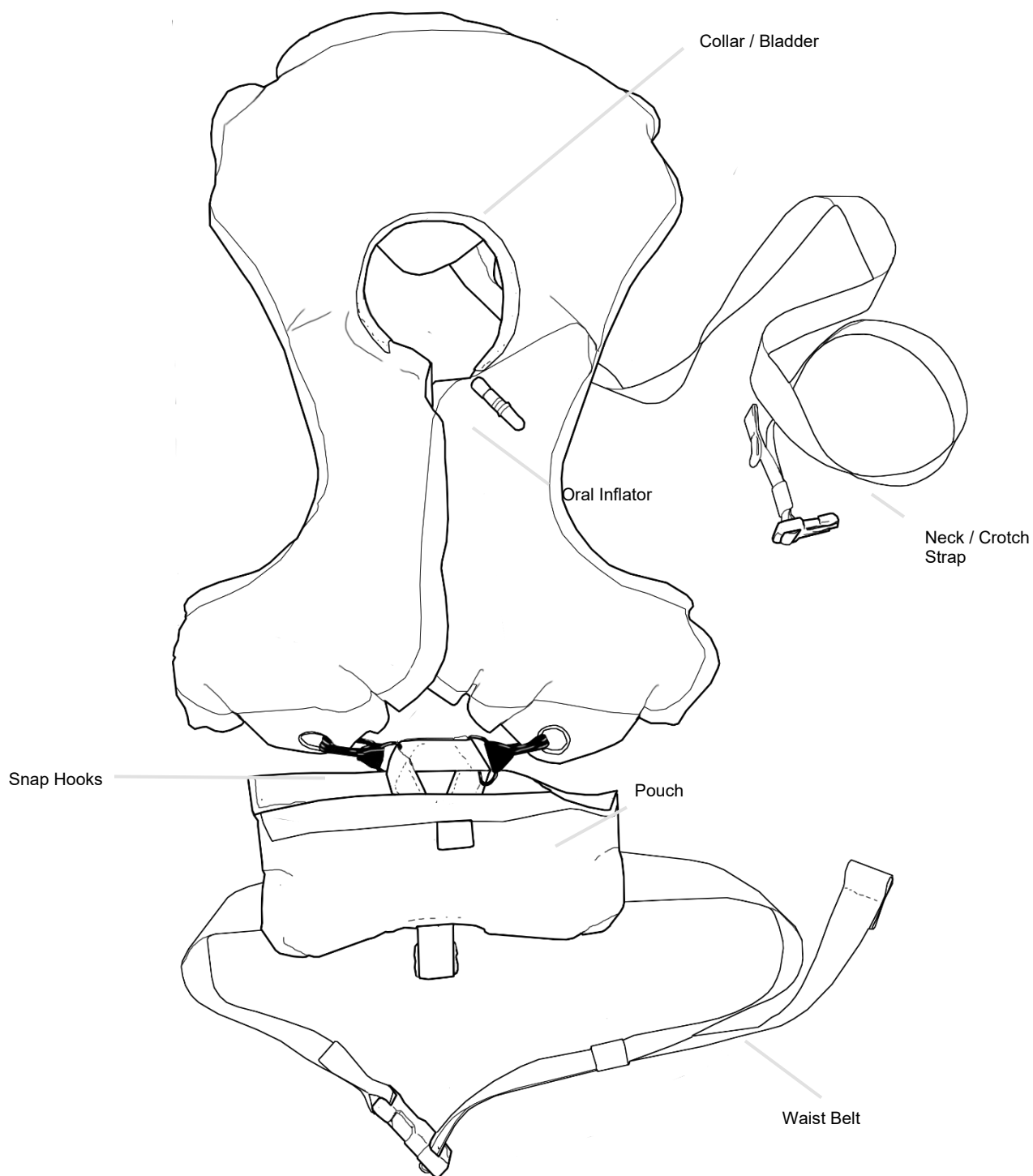


Figure 4
Borneo System Diagram

2.0 Operations

2.1 Pre-usage Visual Inspection

Prior to each use, complete a visual inspection of the Borneo BA, following the visual inspection, verifying the following:

1. That there are no visible holes or tears.
2. Ensure the device is clean and free of any debris and excessive soilage.
3. Confirm pouch material's integrity (no excessive wear / thinning). Pay special attention to seams and ensure all buckles are present and in good condition.
4. Ensure there is minimal residual air within the bladder. If excess is present, drain.
5. Ensure all hook & loop tabs are fastened and are in good condition.

If any of the above criteria is not met, do not use the system and return the Borneo BA to your designated maintenance facility.

2.2 Preliminary donning

First adjust the waist belt to the user.

1. Remove the yellow seal by tugging on it with a quick jerk motion until it breaks. Dispose as needed.
2. While packed, unfasten the Borneo's buckle by pressing both sides of the buckle and pulling each side in the opposite direction.
3. With the pouch in front, webbing tab up and crotch/neck strap female buckle down, loop the belt around the user and fasten by inserting the male end in the female end. Push until you hear a click.
 - a. Note: The box stitch on the back of the pouch should be against the wearer/user.
4. Pull on the webbing strap while holding the buckle until it is snug.
5. Fold excess webbing and tug in the elastic band loop.

NOTE: For adjusting without assistance, do the above but with the pouch against the back at the waist level, then rotate until the pouch is in the front.



Figure 5
Waist Belt Buckling

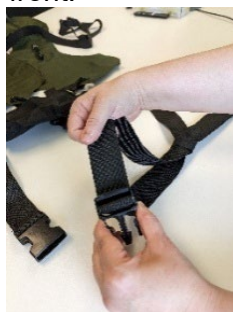


Figure 6
Adjustment Strap



Figure 7
Tuck excess webbing in loop

2.3 Secondary Donning

1. Pull apart the webbing tabs at the top of the pouch to open.
2. Pull out the bladder and unfold.
3. Slip the bladder around the neck, ensuring the neck strap is not tangled.
4. Reach between the legs to grab the end of the neck strap and fasten to the female buckle at the bottom of the pouch. Do not twist the neck / crotch strap.
5. Adjust the neck / crotch strap by pulling on the excess webbing until snug but not impairing movement.
6. Inflate the bladder.

The end result should look like the images below:



Figure 8
Borneo BA when worn
Front – Back - Inflated

3.0 Inflation and Deflation

3.1 Inflation

The Borneo is orally inflated by the use of the rubber inflation tube as follows:

1. The oral inflation tube is located to top of the inflated bladder.
2. The oral inflation valve is located to the outmost tip of the oral inflation tube.
3. Unscrew clockwise (from the user's perspective) the locking mechanism (metal ring).
4. Press down on the valve and blow into the tube until the bladder is firm.
5. Release the valve and lock by twisting counterclockwise (from the user's perspective).



Figure 9
Oral Inflation Tube – Location and Lock

3.2 Doffing

Remove the Borneo on completion of operational use. The user must deflate the Borneo prior to repacking. To do so:

1. The oral inflation valve is located to the outmost tip of the oral inflation tube.
2. Unscrew the locking mechanism (metal ring) clockwise.
3. Hold the oral valve (on the oral tube) open to allow air flow, by pushing down.
4. Apply pressure to the bladder to remove excess air.
5. To remove the remaining air, roll the bladder side opposite the oral tube, while holding the valve down. Continue rolling until both sides are tight and void of noticeable air.
6. Let go of the oral valve to reset to its closed position.
7. Rotate the locking mechanism (metal ring).
8. Alternatively, using a compressor on suction or reverse, press the tip to the unlocked valve on the oral tube. Keep until the bladder fabric begins to bunch up. Rotate the locking mechanism (metal ring).



Figure 10
Press to manually deflate

4.0 Repacking

Ensure that the Borneo is fully deflated and free of debris prior to repacking in its pouch, to avoid risks of damaging fabric. The repacking process must be performed on a clean surface to prevent foreign objects and debris from getting repacked with the BA.

1. Lay the Borneo on a flat surface, with the bladder facing up. Ensure none of the straps are tangled or twisted.
2. Locate the neck / crotch strap (sewn to the back of the collar).
3. Folder the excess webbing and stow at the bottom of the pouch.



Figure 11
Bladder laid flat



Figure 12
Excess Webbing in Pouch

4. Fold the bladder in half, lengthwise, keeping the oral tube on top.
5. From the top, tightly roll the bladder fabric to the oral tube



Figure 13
Bladder folded in half



Figure 14
Roll to oral tube

6. Pinch in the oral tube and continue to roll the fabric tightly, ensuring an even distribution of the fabric through the roll.

NOTE: If you see some residual air in the bladder, it might not fit in the pouch. Unlock the valve and remove any air then start over at step 4. Above.

7. Insert the rolled fabric into the pouch, ensuring the hardware is not impeding the hook and loop fastener.
8. Push the hook and loop fastener to close the pouch. The webbing tab should be aligned side by side, as per figure 16 below.



Figure 15
Rolled bladder in pouch



Figure 16
Closed Pouch with webbing tabs

5.0 User Responsibility

Care should be taken to keep the Borneo Buoyancy Aid clean and dry. The user is responsible for returning any Borneo system that has been inflated to the maintenance section.

5.1 Cleaning

1. Hand wash or use a sponge to clean the BA with a mixture of warm water and mild detergent.
2. Rinse the BA and the inflator with clean water, using a clean cloth.
3. Hang the unit to air dry (while unpacked). Ensure there is a distance between each unit to allow air flow. We recommend the Borneo be inflated while drying.

5.2 Disinfection during usage

1. For events such as training or similar situations where more than one user would be handling the same unit; disinfect the oral tube between uses by gently wiping with an alcohol (70% isopropyl or less) wipe.
2. Use a clean, unused dry cloth to wipe any left-over alcohol before using.

5.3 Storage

Always store each unit of the Borneo in a weather-controlled environment away from moisture and heat source(s), direct sunlight and any contaminants (chemical fumes, spray, mold, debris, etc.). Extended storage, longer than a day, in temperatures below freezing is not recommended.

5.4 Need for Repairs

If a need for repairs or maintenance is noted, such as but not limited to excess soilage or visible damages, please refer to the Borneo Maintenance Manual 53076-003 or send the Borneo to your designated repair station.



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