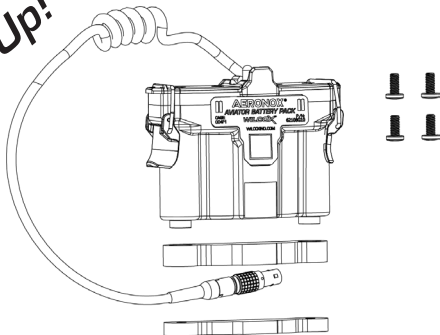

OPERATION AND MAINTENANCE
INSTRUCTIONS FOR THE

WILCOX[®]
AERONOX[®]

Battery Pack
Modular/Repairable Power Supply
PN: 62100G11

“The Most Trusted Helmet Mount in the World”

Mount Up![®]



CAGE: 004F1

EAR Controlled: Commerce license may be required for export or re-export.

GENERAL SAFETY WARNINGS

▲ WARNING ▲

ALWAYS perform a pre-flight test of the Battery Pack and Aeronox Mount prior to flight. If the Aeronox Battery Pack does not pass system tests, **DO NOT** fly with the Battery Pack. Contact Wilcox for service.

Rechargeable batteries are not authorized.

Lithium batteries are not authorized for aviation use.

Brand name, high quality AA alkaline batteries are recommended for use. Military and other public use operators whose operational protocols allow for the use of lithium batteries may operate with lithium batteries as follows:

- **DO NOT** heat, puncture, disassemble, test for capacity, short circuit, attempt to recharge, or otherwise tamper with the batteries.
- **All batteries have a safety vent to prevent explosion. When they are venting gas, you may smell irritating sulfur gas, your eyes may become irritated, or you may hear the sound of gas escaping. When safety vents have been activated, the battery is relatively safe from bursting but will be hot and must be handled with care.**

GENERAL SAFETY WARNINGS (CONTINUED)

- If the Battery Pack becomes hot to the touch, and you hear a hissing sound (i.e., battery venting) or smell irritating sulfur dioxide gas, **IMMEDIATELY** turn off the battery pack and disconnect the power cable from the mount. Wait until the battery has cooled before removing from its compartment. Check for damage. If not damaged, replace with fresh batteries.

DO NOT use water to extinguish lithium battery fire if a shock hazard exists due to high voltage electrical equipment, which may be in the immediate vicinity.

DO NOT use batteries that look bulged, have leakage, or have burst. Dispose of damaged batteries properly. Check the battery compartment for corrosion or damage. If corrosion or damage is present, have the Battery Pack inspected and serviced by authorized maintenance personnel.

ALWAYS refer to battery manufacturer's instructions for usage, maintenance, storage, disposal, and safety.

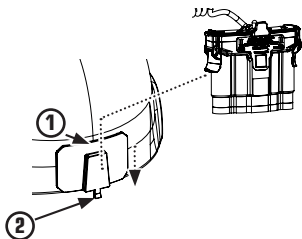
■ CAUTION ■

DO NOT ship or place the Battery Pack into storage with batteries installed.

Ensure that connectors are dry prior to connecting to prevent any shorting of the system.

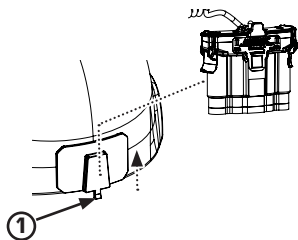
CONFIGURATION

ATTACH/DETACH - ATTACH/DETACH THE BATTERY PACK



ATTACH BATTERY PACK

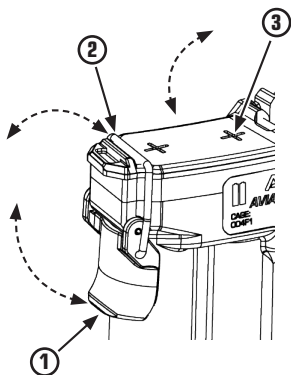
Attach the Velcro® Helmet Pad **(1)** to the rear of the helmet. Slide the Battery Pack onto the Dovetail Shoe **(2)** of the Helmet Pad until it clicks.



DETACH BATTERY PACK

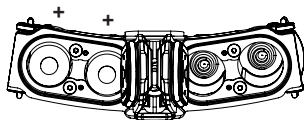
Depress the Release Lever **(1)** of the Dovetail Shoe toward the helmet then slide the Battery Pack up to remove it.

REPLENISH - REPLACE THE BATTERIES



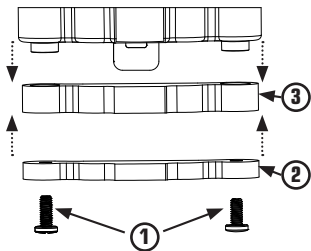
Detach the Battery Pack. Raise Lock Release Lever **(1)** by pivoting outward and upward, then pivoting the metal Retaining Pin **(2)** away from the Cover **(3)**. Open the Cover **(3)** and check that the gasket seal on the compartment is clean, wiping away any debris.

Before flight, insert fresh alkaline batteries (recommended) in both compartments with the positive “+” side facing up.



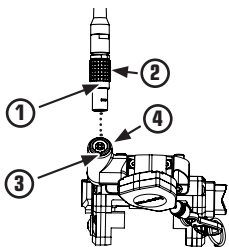
Resecure Covers, making sure both Retaining Pins **(2)** are seated inside the notch of the top Cover. Push down on Lever **(1)**, checking that they are fully secured after closing.

ATTACH - ATTACH COUNTERWEIGHT(S) TO THE BATTERY PACK



2-Plate Mounting: Insert the long screws **(1)** into the slots on the thin plate **(2)**, through the thicker plate **(3)**, and into the Battery Pack base. Secure the screws **(1)** CW until hand tight. Use shorter screws for single-plate mounting.

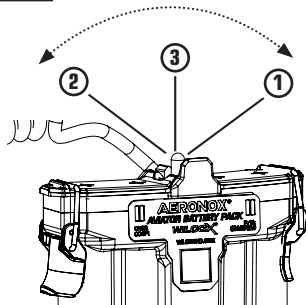
ATTACH - ATTACH THE BATTERY PACK POWER CABLE TO THE ***AERONOX*** MOUNT



Make sure connectors are dry prior to connecting to prevent system shorting. Align the red “Pin 1” Witness Dot **(1)** on the Connector **(2)** with the red Witness Dot **(3)** on the Connection Port **(4)** and push the connector until it clicks.

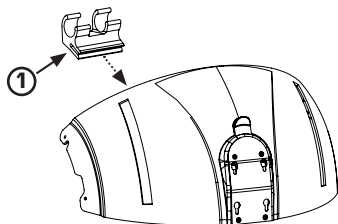
OPERATION

ACTIVATE/DEACTIVATE - **ACTIVATE/DEACTIVATE THE BATTERY PACK**



Place the Power Switch in position **(1)** to power the right (primary) battery compartment or position **(2)** to power the left (alternate) compartment. To power off, place the switch in position **(3)**.

ATTACH - **ATTACH THE AVIATOR VISOR CLIP TO THE AVIATOR HELMET VISOR**



Slide the Clip **(1)** onto the top rim of the Aviator helmet visor for holding the power cable.

PREFLIGHT TEST - PERFORM LOW BATTERY INDICATOR TEST

The following pre-flight procedure is used to determine if the Low Battery Indicator is properly functioning. A proper test is performed when the Low Battery Sensor in the Battery Pack illuminates the Low Battery Indicator on the Mount.

- Step 1.)** Attach the Lemo Connector of the Battery Pack to the Aeronox Mount.
- Step 2.)** Place two (2) fresh AA Batteries in each side of the Battery Pack, “+” side up.
- Step 3.)** Lift the Battery Pack Cover on one side to break electrical contact.
- Step 4.)** Place the Power Switch in the (ON) position to the side with the cover latched. The Low Battery Indicator on the Mount should not be flashing.
- Step 5.)** Move the selector switch to the side with the raised Cover. The Low Battery Indicator should be flashing. If it does not, do not fly with the Battery Pack. Contact Wilcox for service.
- Step 6.)** Place the Power Switch in the (OFF) position. Close the Cover.
- Step 7.)** Repeat steps 3 thru 6 for the opposite side.

AFE/ALSE TEST - RECOMMENDED AFE/ASLE TEST

This procedure utilizes Government/FAA Certified Equipment to test the operation of the Battery Pack. This process utilizes the Portable Digital NVD Test Kit (ANV126A) and Inline Volt Test Adapter (ANV126047).

- Step 1.)** Remove batteries from the Battery Pack and insert the ANV-126-047 battery pack adapter into the Battery Pack.
- Step 2.)** Set the Selection Switch on the Battery Pack to the side containing ANV-126-047 adapter.
- Step 3.)** Connect the Battery Pack to the NVG mount to be tested, then place the Power Switch to the external Battery Pack position.
- Step 4.)** Connect the NVG power adapter from the ANV-126A to the NVG mount and the ANV-126A goggle battery test port.
- Step 5.)** Set the ANV-126A to "Battery Test".
- Step 6.)** Set the adjustment slide on the ANV-126-047 fully to the right.

AFE/ALSE TEST (CONTINUED)

- Step 7.)** Turn on the ANV-126-047, slowly move the adjustment slide from right to left.
- Step 8.)** Note the voltage indicated on the ANV-126A when the NVG mount's Low Battery Indicator activates.

WARRANTY CLAIM AND SERVICE INFORMATION

For warranty claim or service work, WX must be contacted in the United States at (603) 431-1331 or Customer Service through our online support page at wilcoxind.com/contact to obtain a **Return Merchandise Authorization (RMA)/Service Call Number (SC)** prior to returning your Wilcox product.

After an RMA/SC number is issued, WX will accept your package at the address indicated below, clearly marked with the RMA/SC number:

Wilcox Industries Corp.
RMA/SC # _____
One Wilcox Way
Newington, NH 03801 USA

The Wilcox product must be securely packaged to prevent damage, accompanied by your name, address, daytime phone number to contact you, and a description of the problem or work you wish to be performed.

Manufactured by:

WILCOX[®]

**Wilcox Industries Corp.
One Wilcox Way
Newington, NH 03801 USA**

Phone: +1 603-431-1331

Fax: +1 603-431-1221



WWW.WILCOXIND.COM

**For troubleshooting service questions,
contact Wilcox between 8am and 5pm EST.**

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