

**CAUTION**  
Before use, refer to the CAPR® User's Instructions, P/N 03521015 (received with all CAPR Helmets) for details.



**REF 2073-03**

P/N 03531001,  
01031528,  
03531148,  
2590-05

### Symbol Definitions

Warning, Caution, or Note

**REF** Order Number

**P/N** Part Number

**WARNING**

Use only if package is received unopened and contents are undamaged. If damage is noted, contact the shipper for replacement or repair.

Prior to using any MAXAIR® System or component, be sure to be familiar with the system's NIOSH approved configuration.

DO NOT use if any component is damaged. If any components are damaged or contaminated and therefore unfit for safe and effective use, they should be replaced immediately.

Only trained and experienced personnel who have read and understand the User's Instructions should use this product.

Failure to follow the User's Instructions, these and in the MAXAIR Systems User's Instructions, P/N 03521015, may be hazardous to the user's health.

The institution using this product in any application is responsible for determining the appropriateness of this equipment relative to regulatory requirements. Bio-Medical Devices Intl, Inc. does not recommend the appropriate systems for a particular institution or facility.

Use only MAXAIR Systems/ NIOSH approved compatible components.

NOT for use in atmospheres immediately dangerous to life or health (IDLH), and atmospheres containing less than 19.5% oxygen, or more than 25% oxygen.

If you need more information, contact your BMDI Sales Representative, or call BMDI customer service at 1-800-443-3842.

### Intended Use

The Hard Hat Helmet is part of a system intended to filter aerosolized and droplet particulates, and provide head and face protection.

### For Use With

The Hard Hat Helmet is used with MAXAIR Systems HH Shrouds and HH Cuffs, alternate Batteries, and optional Impact Lens.

FACE/HEAD COVER	FILTER CARTRIDGE	BATTERY	APF
2264-01ML & 2264-01SM DLC (Disposable Lens-Cuff) SHROUDS	2167-10 <sup>1</sup>	2500-30TSC	1,000
		2500-37TSC	
		2500-36TSC	
2366-02ML & 2366-02SM, and 2366RB-02ML & 2366RB-02SM DLC (Disposable Lens-Cuff) CUFFS	2167-10	2500-30TSC	25
		2500-37TSC	
		2500-36TSC	

1 Alternate 2166-10 XP Filter Cartridge APF = 1,000

### 2073-03 Hard Hat Helmet System Components



- |  |  |
|--|--|
| 1. 2073-03 Hard Hat Helmet: Hard Hat, Helmet, HH Liner, and Power Cord | 2. 2500-30TSC Li-Ion Battery (16-20 Hr/Charge) |
|  | 3. 2000-76 Battery Belt                        |
|  | 4. 2600-01 Battery Charger                     |
|  |  |

### Filter and Alternate Face Seals and Batteries



2167-10 XP Filter Cartridge



2264-01 DLC Shroud



2366-01 DLC Cuff



2500-090L Impact Lens



2500-36TSC Battery



2500-37TSC Battery

**Specifications**  
Temperature Limits: 49°C

### Materials

Hard Hat is Kevlar, reinforced

### Regulatory

- NIOSH
- ANSI/ISEA Z98.1-2014 Type 1, Class G & C

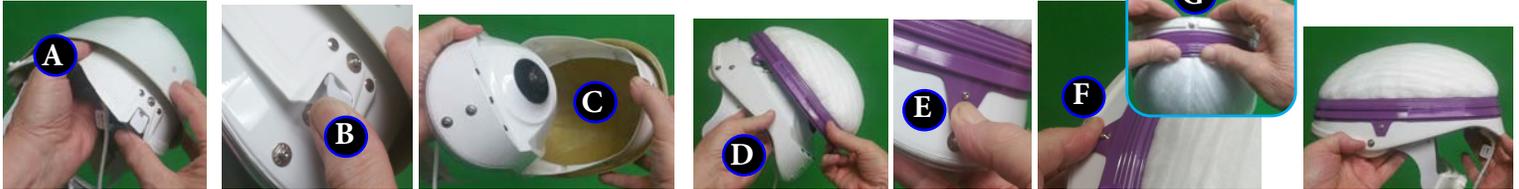
### Assembly - Filter Cartridge to Helmet; Hard Hat to Helmet

The 2073-03 ships assembled, consisting of the Helmet with Power Cord, the Liner, and the Hard Hat.



#### WARNING

A Filter Cartridge must be installed on the Helmet before use; refer to Section 12., page 49, Instructions For Use: Filter Cartridge



1. Remove the Hard Hat from the Helmet: Hold Helmet in one hand (A), lift rear T-Tab off rear Snap (B), lift Hard Hat up and off Helmet (C).

2. Assemble Filter Cartridge to Helmet: Hold Helmet in one hand, lower Filter Cartridge by plastic retainer ring down onto helmet (D), snap rear Cartridge Tab to Rear Helmet Snap (E); snap each side Cartridge Tab to each side Helmet Snap (F). If necessary, press Retainer Ring down close to front Helmet Adapter (G) to get side Tabs over side Snaps.



3. Re-Assemble Hard Hat to Helmet: Locate Hard Hat front Mounting Hole (H), locate Helmet front Mounting Snap (I); Place Mounting Snap into Mounting Hole (J); pull Hard Hat over and down on Helmet (K) until Hard Hat T-Tab (L) is over and snaps to lower rear Helmet Snap (M).

### Assembly - Liner and Hard Hat to Helmet (when necessary)



1. Place the Liner front under the Helmet front to align Helmet Snaps with Liner Snap Holes.

2. Press the Liner front right and left snap holes over the Helmet front right and left snaps until secure.

3. Align the Helmet Power Cord with the Liner Power Cord cutout and press the Liner rear against the Helmet.

4. Press the Liner rear right and left snap holes over the Helmet rear right and left snaps until secure.

5. Ensure the Liner outer edges curls up and over the Helmet edge, all around the Helmet.



6. Locate the inside hole in the Hard Hat front Turn Clip, and the Helmet front Snap.

7. Place the Helmet front snap securely in the Hard Hat front Turn Clip inside hole.

8. Pull the Hard Hat down over the back of the Helmet until its T-Tab hole is over the top rear Snap on the Helmet back.

9. Continue downward movement of Hard Hat until its T-Tab hole snaps securely on Helmet snap.

### Disassembly - Liner and Hard Hat from Helmet

Disassembly of the of the Liner and Hard Hat is the reverse of Assembly steps 1-9, immediately preceding.

### Assembly - Face (DLC Cuff) or Headcover (DLC Shroud) to Hard Hat Helmet

DLC Shroud  
(Disposable  
Lens-Cuff  
Shroud)



DLC Cuff  
(Disposable  
Lens-Cuff Cuff)



#### CAUTION

Before use, using the peel tab, be sure to remove the lens protecting film from the DLC Cuff Lens.

1. Remove Shroud/Cuff from packaging and lay on a clean surface with label facing up.

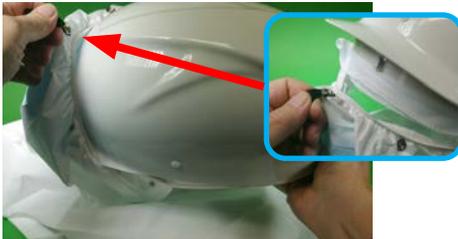


2. Securely attach one set of side Lens holes (2) over one side Hard Hat Turn Clip and Mounting Post. Secure Turn Clip vertically.

3. Securely attach the Lens center hole over the Hard Hat center Turn Clip. Secure Turn Clip vertically.

4. Securely attach other set of side Lens holes (2) over other side Hard Hat Turn Clip and Mounting Post. Secure Turn Clip vertically. This step completes Cuff Assembly.

### Assembly cont'd - SHROUD ONLY



5. Use the black pull tab to pull the Shroud up over the Hard Hat front and back towards the rear.

6. Continue pulling Shroud over and down the back of the Hard Hat and snap to the T-Tab Snap.

7. Attach one side-rear snap of the Shroud to one side-rear snap on the Hard Hat, then repeat for the other side. This step completes the Shroud assembly.

### Disassembly - Cuff and Shroud

Disassembly of the DLC Cuff is the reverse of Assembly steps 1-4, immediately preceding.  
Disassembly of the Shroud is the reverse of Assembly steps 1-7, immediately preceding.

### Assembly - ANSI Z87 Impact Lens



1. Securely attach one set of side Lens holes (2) over one side Hard Hat Turn Clip and Mounting Post. Secure Turn Clip vertically.



2. Securely attach the Lens center hole over the Hard Hat center Turn Clip. Secure Turn Clip vertically.



3. Securely attach other set of side Lens holes (2) over other side Hard Hat Turn Clip and Mounting Post. Secure Turn Clip vertically. This step completes Lens Assembly.

### Disassembly - ANSI Z87 Impact Lens (follows assembly of a Shroud or Cuff)

Disassembly of the Lens is the reverse of Assembly steps 1-3, immediately preceding.

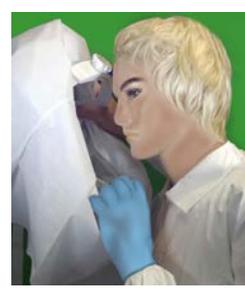
### Don - Cuff and Shroud



1. Loosen Headband Adjustment Knob (counterclockwise) to allow Helmet to fit over head.



2. Ensure the Cuff Flappers are out away from the Lens and over the foam pads on the Liner sides.



3. Pull top edge of Cuff down, insert chin into cuff and then pull Helmet over and down on the head.



4. Turn Adjustment Knob clockwise to tighten Headband as tight as comfortable to secure Helmet to Head for all anticipated activities.



5. SHROUD ONLY - Pull all bottom edges of the Shroud fully down. Tie the neck ties to within about 1 inch of the neck; tie the body ties comfortably secure around the midsection.



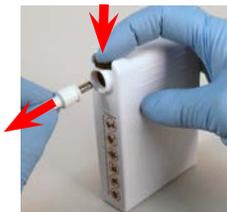
Fully donned Hard Hat System with Shroud and ANSI Lens.



Fully donned Hard Hat System with Cuff and ANSI Lens.

### DoFF - Cuff and Shroud

1. Reverse Don steps 1-5, immediately preceding.



2. Disconnect the Helmet Power Cord from the Battery - push the Secure Connection Button down, pull Cord Connector out, release the Button. Connect the Battery to the Charger.



### WARNING

Refer to Section 9, page 43, Instructions For Use: Charger, for details on proper use of chargers and for charging batteries.

### Order Number - Part Number Reference

ITEM	REF	P/N	ITEM	REF	P/N
Hard Hat Helmet	2073-03	03531001, 01031528, 03531148, 2590-05	Li-Ion Battery, 16-20 Hr/Charge	2500-30TSC	01532116
			Li-Ion Battery, 12-15 Hr/Charge	2500-37TSC	01532161
			Li-Ion Battery, 8-10 Hr/Charge	2500-36TSC	01532104
			Battery Belt	2000-76	2000-76
Hard Hat	2061-04A	01031528	Battery Charger	2600-01	01432089
Hard Hat Liner	2071-03	03531148	Power Cord	2590-05	2590-05
XP Filter Cartridge	2167-10	01031569	Impact Lens	2400-090L	03531190