



CAPR® Systems

Product Catalog

Contents

Systems and System Components	3
System Configuration Groups	3
Cuff, Shroud, and Hood System Configuration Group.....	4
Hard Hat System Configuration Group.....	5
System Components, Accessories, and Replacement Parts	6
Helmets, Helmet Liners, Helmet Covers, Power Cords.....	6
Helmet Accessories and Storage Options.....	7
Batteries and Belts.....	8
Chargers.....	8
Filter Cartridges.....	9
Face and Head Covers.....	10
Cuffs and Shrouds.....	10
Hoods.....	11
General Maintenance, Storage, and System recommendations	
<i>(Refer to the Users Instructions, P/N 03521015 for COMPLETE DETAILS)</i>	12
Decontamination.....	12
Cleaning.....	12
Specifications	13
System - General.....	13
System and Battery Recommended Temperature Ranges.....	13
Batteries - Specific.....	13
Typical Battery Charging Times.....	14

Systems and System Components

Systems are configured from a base of four main components, a Helmet, a Battery, a Battery Belt, and a Battery Charger. The Belt and Charger are common to all systems.

The Helmet and Battery determine the available Head/Face Covers available to a specific System

ITEM	O.N.	DESCRIPTION
CA-DLC-CAPR-36		
1	2081-03	Helmet - Helmet, Liner, Power Cord
2	2500-36TSC	Li-Ion Battery
3	2600-76	Battery Belt
4	2600-01	Li-Ion Battery Charger
CA-DLC-CAPR-37		
1	2081-03	Helmet - Helmet, Liner, Power Cord
2	2500-37TSC	Li-Ion Battery
3	2000-76	Battery Belt
4	2600-01	Li-Ion Battery Charger
CA-DLC-CAPR-HH-36		
1	2083-03	Helmet - Helmet, Liner, Power Cord
2	2500-36TSC	Li-Ion Battery
3	2000-76	Battery Belt
4	2600-01	Li-Ion Battery Charger
CA-DLC-CAPR-HH-37		
1	2083-03	Hard Hat Helmet - Hard Hat, Helmet, Liner, Power Cord
2	2500-37TSC	Li-Ion Battery
3	2000-76	Battery Belt
4	2600-01	Li-Ion Battery Charger

System Configuration Groups

Each System may have several Configurations depending on the Helmet Accessories and Face/Head Covers chosen.

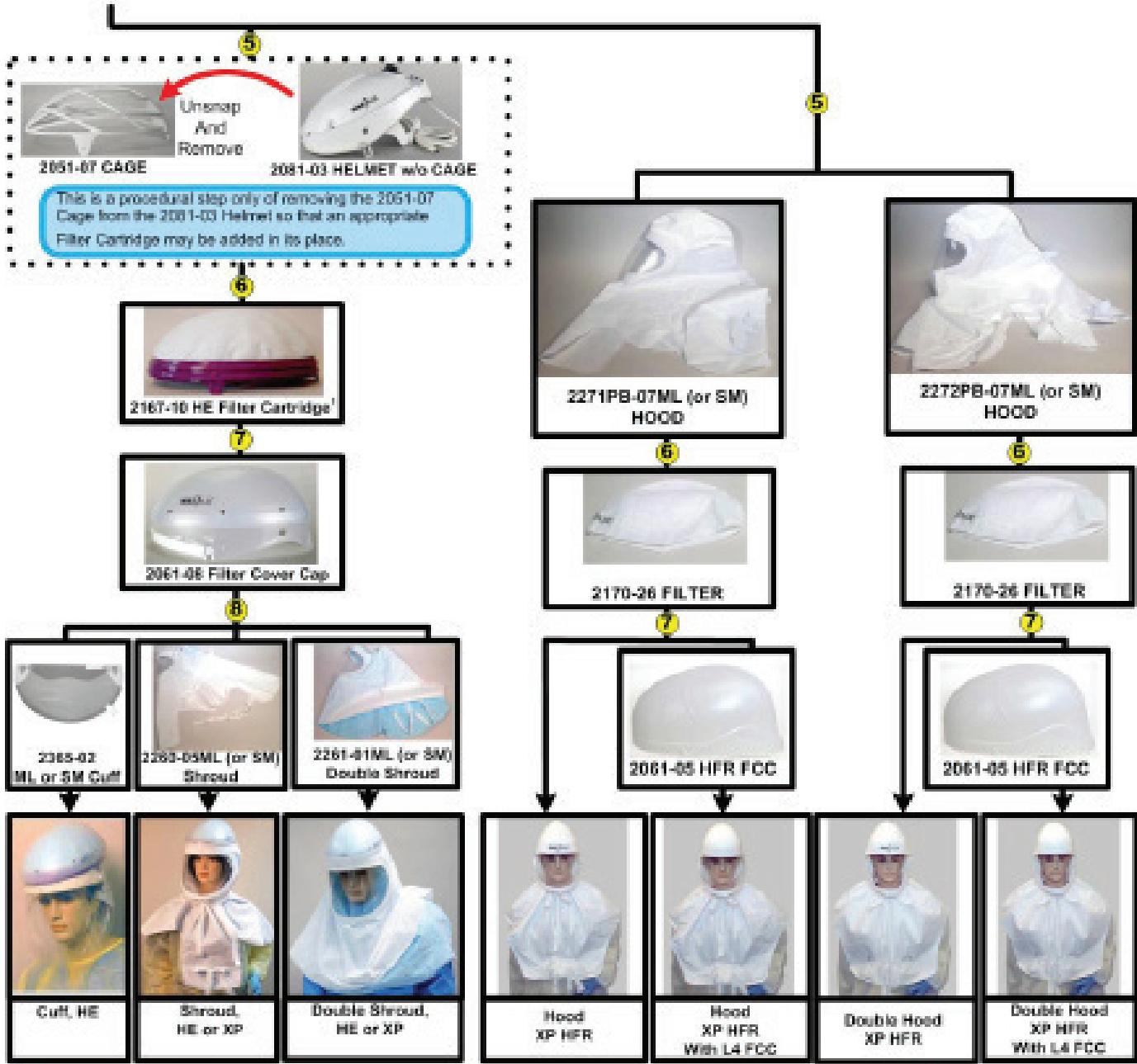
There are two Configuration Groups:

1. Cuff, Shroud, and Hood
2. Hard Hat

Cuff, Shroud, and Hood System Configuration Group

CAPR Cuff, Shroud and Hood System Configurations Quick Setup Guide

CA-DLC-CAPR-37 (with 2500-37TSC Battery) – OR – CA-DLC-CAPR-36 (with 2500-36TSC Battery)



1 Alternate Filter Cartridges for this step include -
 A. 2164-10 HE
 B. 2166-10 XP® N-OV
 2 XP Performance of APF = 1,000 applies only to Shroud and Hood Configurations. Cuff Configurations are APF = 25 per OSHA.

P/N 03523261 Rev B

Hard Hat System Configuration Group

CAPR Hard Hat Cuff and Shroud System Configurations Quick Setup Guide

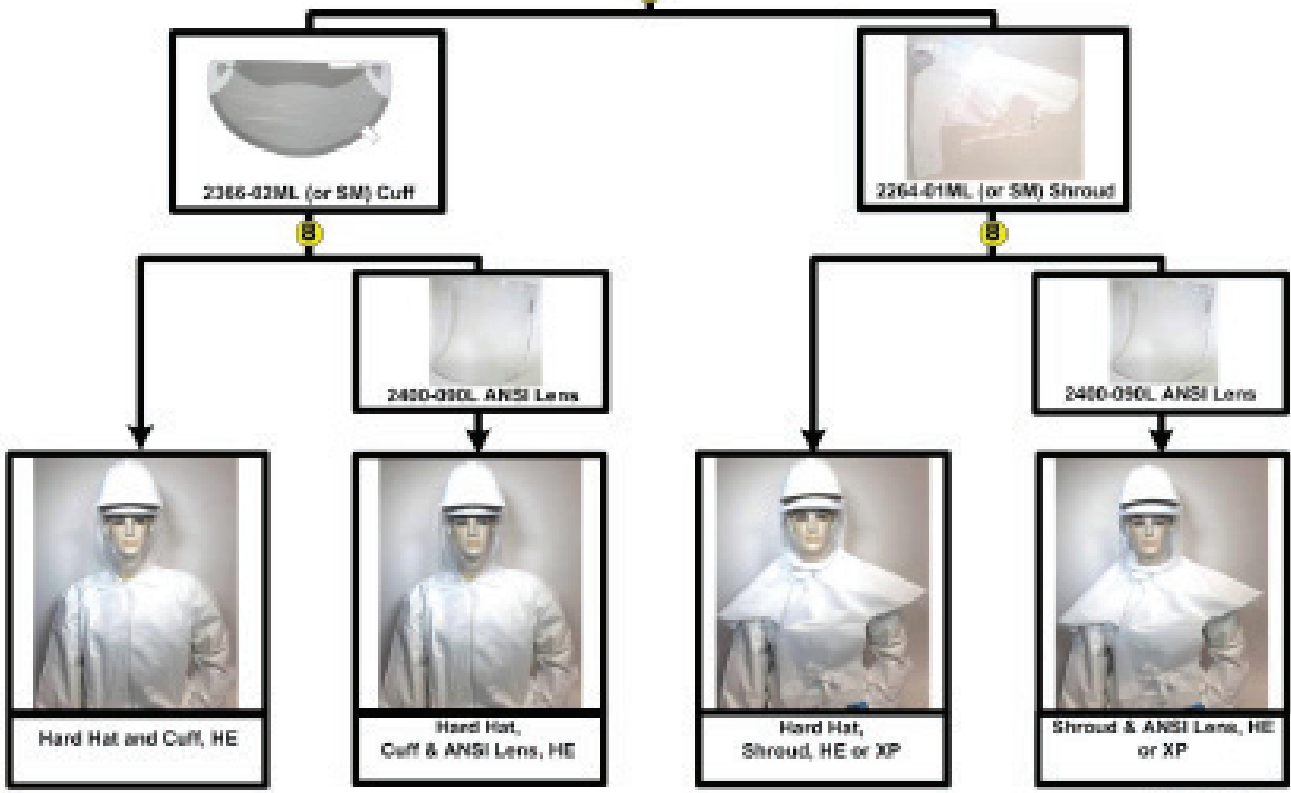
CA-DLC-CAPR-HH-37 (with 2500-37TSC Battery) - OR - CA-DLC-CAPR-HH-36 (with 2500-36TSC Battery)



This is a procedural step only of removing the 2051-07 Cage from the 2083-03 Helmet so that an appropriate Filter Cartridge may be added in its place.

By substituting the 2500-36TSC Battery for the 2500-37TSC, these become CAPR-3336 System Configurations

- 1 Alternate Filter Cartridges include -
A. 2164-10 (HE Performance only)
B. 2166-10 XP² N-OV
- 2 XP Performance of APF = 1,000 applies only to Shroud and Hood Configurations. Cuff Configurations are APF = 25 per OSHA.



P/N 03523262 Rev B

System Components, Accessories, and Replacement Parts




Helmets, Helmet Liners, Helmet Covers, Power Cords

#	O.N. (PN)	Description	QTY	
1	2081-03	CAPR Helmet with Standard Pad Liner, Power Cord, and Cage	1/Box	
2	2071-06	Liner, Standard Pad - only for 2081-03 Helmet	3/Box	
3	2083-03	CAPR Helmet with Extra Cushion Pad Liner, Power Cord, and Cage	1/Box	
4	2071-03	Liner, Extra Cushion Pad - for any CAPR Helmet (Mandatory Liner for all 2061-04A Hard Hat Configurations)	3/Box	
5	2051-07	Cage for all CAPR Helmet Hood Configurations	3/Box	
6	2061-08	Filter Cover Cap (FCC) for any CAPR Helmet for Cuff and Shroud Configurations	3/Box	
7	2061-04A	Hard Hat for 2083-03 Helmet and any Helmet with the 2071-03 Liner	1/Box	
8	2061-05	HFR FCC (High Fluid Resistance Filter Cover Cap), for Hood Configurations	3/Box	
9	2590-05	Power Cord, for 2081-03 and 2083-03 Helmets	1/Package	
10	2590-01	Power Cord (NOT for 2081-03 and 2083-03 Helmets)	1/Package	


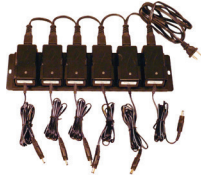
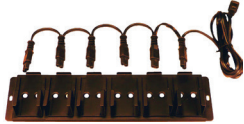
Helmet Accessories and Storage Options

#	O.N.	Description	QTY	
1	2000-201	Comfort Strips, for front Headband of 2071-01 and 2071-03 Liners	36/Box	
2	2000-206	Foam Pad Replacement Kit for 2071-01 Liner	5/Box	
3	2000-209	Liner Back Headband Pad Kit	5 pads/Box	
4	2099-03	Large Pad Replacement Kit for 2071-03 Liner	3 Sets of 4/Box	
5	2000-208	Chin Strap for 2061-04A Hard Hat	5/Box	
6	2000-204	Helmet Hooks for any MAXAIR Helmet	6/Package	
7	2400-090L	Impact Lens for 2061-04A Hard Hat	3/Box	
8	2000-SB	Sample Bag, holds up to two MAXAIR Helmets and some accessories	1/Package	
9	2780-06	Cart for up to Six MAXAIR Systems and some accessories	1/Box	

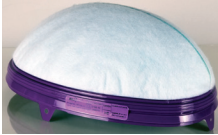







Batteries and Belts

#	O.N. (PN)	Description	QTY	
1	2500-36TSC	Li-Ion Battery, 4 Cell, 8-10 Hr/Charge	1/Box	
2	2500-37TSC	Li-Ion Battery, 4 Cell, 12-15 Hr/Charge	1/Box	
3	2000-76	Battery Belt, for all MAXAIR Batteries	1/Bag	

Chargers

#	O.N. (PN)	Description	QTY	
1	2600-01	Battery Charger, Single, for all MAXAIR Batteries	1/box	
2	2601-06 Gang Charger includes six 2600-01 Chargers	6 Gang Charger, six 2600-01chargers per single power connection, for all MAXAIR Batteries	1/box	
3	2601-06B Gang Charger Bracket accommodates up to six 2600-01 Chargers, purchased separately	6 Gang Charger Bracket, holds up to six existing 2600-01 Chargers, all connected to a single power connection	1/box	

Filter Cartridges



#	O.N. (PN)	Description	QTY	Filter Cartridge	Cartridge Compatible Batteries	
					2500-37TSC	2500-36TSC
1	2164-10	HE Filter Cartridge, for any MAXAIR Systems Cuff or Shroud Configuration	3/Box			
2	2166-10	XP Nuisance Organic Vapor (N-OV) Filter Cartridge, for any MAXAIR Systems Cuff or Shroud Configuration	3/Box			
3	2167-10	XP Filter Cartridge, for any MAXAIR Systems Cuff or Shroud Configuration	3/Box			

Face and Head Covers

Cuffs and Shrouds

#	O.N.	Description	QTY	
1	2365-02SM	Cuff Small/Medium	40/Box	
	2365-02ML	Cuff – Medium/Large	40/Box	
2	2366-02SM	Cuff, for use with 2061-04A Hard Hat - Small/Medium	40/Box	
	2366-02ML	Cuff, for use with 2061-04A Hard Hat - Medium/Large	40/Box	
3	2260-05SM	Shroud – Small/Me- dium	20/Box	
	2260-05ML	Shroud – Medium/ Large	20/Box	
4	2261-01SM	Double Shroud – Small/Medium	20/Box	
	2261-01SM	Double Shroud – Small/Medium	20/Box	
5	2264-01SM	Shroud, for use with 2061-04A Hard Hat – Small/Medium	20/Box	
	2264-01ML	Shroud, for use with 2061-04A Hard Hat – Medium/Large	20/Box	

Hoods

#	O.N.	Description	QTY	
1	2271PB-07ML	XP Hood, Single Medium/Large, includes the HLF (Heavy Loading Filter)	20/Box	
	2271PB-07SM	XP Hood, Single Small, includes the HLF (Heavy Loading Filter)	20/Box	
2	2272PB-07ML	XP Hood, Double Medium/Large, includes the HLF (Heavy Loading Filter)	20/Box	
	2272PB-07SM	XP Hood, Double Small, includes the HLF (Heavy Loading Filter)	20/Box	

General Maintenance, Storage, and System recommendations

(Refer to the Users Instructions, P/N 03521015 for COMPLETE DETAILS)

Decontamination

Supplies Needed:	Frequency:	Accomplishes:
<ul style="list-style-type: none"> Decontaminating wipe Decontaminating Agent: Alcohol, bleach, or quaternary ammonia. 	<ul style="list-style-type: none"> Wipe between uses and between different users wearing the system. 	<ul style="list-style-type: none"> Reduces cross contamination. Extends useful life. Improves hygiene.
Procedure:		
1. Inspect the system and perform any assembly/disassembly instructions necessary for disposable items and for all components that have become worn or damaged.	2. Apply a suitable wipe with a decontaminating agent over all outside reachable surfaces, and then over all inside surfaces.	3. Let air dry and re-assemble or place in storage.



NOTE

If desired, replace the DLC, Helmet Liner, Filter Cartridge, or Filter Cover Cap by following their assembly and disassembly procedures.

Replace the Front Headband Comfort Strip with a new one.

The rear Closed Cell Foam comfort pad may be cleaned for reuse by wiping down the outer surfaces with a decontaminating wipe.

Cleaning

Supplies Needed:	Frequency:	Accomplishes:
<ul style="list-style-type: none"> Clean Damp Cloth Cleaning Agent: Mild application of skin friendly soap. 	<ul style="list-style-type: none"> Wipe between uses and between different users wearing the system. 	<ul style="list-style-type: none"> Reduces cross contamination. Extends useful life. Improves hygiene.
Procedure:		
1. Use a damp cloth with cleaning agent to clean all outer and inner exposed surfaces.	2. Let air dry.	



NOTE

If desirable, replace the damaged or soiled Front Headband Comfort Strip.

The rear Closed Cell Foam comfort strip may be cleaned for reuse.

Specifications

These specifications are typical values and recommended conditions for general safe and reliable use and handling of MAXAIR Systems, components, and accessories. This information is not a list of absolute minimum and maximum ranges that individual components and/or materials may withstand.

System - General

CAPR SYSTEM		
#	PROPERTY	SPECIFICATIONS (NIOSH reference)
1	Complete Device Classification	PAPR, Loose Fitting
10	Fit Factor	Minimum 500
11	Maximum allowable Percent Leakage: Dioctyle-Phthalate Test	0.03% @ 107 LPM
12	Minimum allowable NaCl efficiency	99.97% @ 125 lpm
14	Minimum Airflow	170 LPM
16	Noise Level	80 dBA limit
18	Filter Classification	HE*

“*”= NIOSH approved HE protection filters can be used for protection against particulate aerosols containing oil. However, for reliable operation and desirable useful run time, Bio-Medical Devices Intl does not recommend Filter Cartridge use against particulate aerosols containing oil.

System and Battery Recommended Temperature Ranges

Degrees Centigrade		Degrees Fahrenheit		Activity
min.	max.	min.	max.	
0	54	32	129	Handling & Transporting
0	54	32	129	Use/Discharging
0	45	32	113	Charging
0	35	32	95	Storage

Batteries - Specific

2500-30TSC/ 2500-37TSC/ 2500-36TSC Battery Specification		
IPXO Ordinary Equipment Duty Cycle: Continuous Operation.		
#	PROPERTY	SPECIFICATIONS
1	Minimum Continuous Operating Time: 2500-36TSC	4 Hrs. (Typical 8-10 hr./Charge)
2	Minimum Continuous Operating Time: 2500-37TSC	6 Hrs. (Typical 12-15 hr./Charge)
3	Minimum Continuous Operating Time: 2500-30TSC	8 Hrs. (Typical 16-20 hr./ Charge)
4	Charge Input	16.8V; 1A
5	Electrical Output: 2500-36TSC	14.8V; 2.25Ah
6	Electrical Output: 2500-37TSC	14.8V; 3.35Ah
7	Electrical Output: 2500-30TSC	14.8V; 4.50Ah
2600-01 Charger Specification		
#	PROPERTY	SPECIFICATIONS
1	Complete Charge for 2500-36TSC, 2500-37TSC, or 2500-30TSC	4-6 Hours for a Fully Drained Battery
2	Electrical Output	Up to 16.8V; Up to 0.9A
3	Electrical Input	100-240 VAC; 50-60Hz; 0.3A

Typical Battery Charging Times

CHARGING TIME		
BATTERY	2600-01 Charger	
	Typical	Maximum
2500-30TSC	5 hrs	10 hrs
2500-37TSC	3.8 hrs	7.5 hrs
2500-36TSC	2.5 hrs	5.0 hrs

NOTES PAGE



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