

# USER INSTRUCTIONS



**ALL INSTRUCTIONS MUST BE CAREFULLY READ AND FOLLOWED BY THE USER PRIOR TO USE INCLUDING ALL SPECIFIC WARNINGS.**



## **Oberon Hard Cap Models HC-6A (ABS Shell) & HC-6P (Polycarbonate Shell)**

The Oberon ABS Hard Cap (Model: HC-6A) has been independently tested and certified to meet the ANSI/ISEA Z89.1-2009 safety standard. The Oberon Polycarbonate Hard Cap (Model: HC-6P) has been independently tested and certified to comply with the ANSI/ISEA Z89.1-2009 and the CSA Z94.1-2005 safety standards. The Oberon Hard Cap is a TYPE 1 Hard Cap, which means it has been designed and tested to “reduce the force of impact resulting from a blow only to the top of the cap.” A Hard Cap provides limited protection, but is not a substitution for “good safety practices and engineering controls”. Neither the Oberon HC-6A nor the HC-6P cap is a TYPE II cap, which means that they are not designed to provide protection against impact to the side, front or back of the cap. A TYPE I Hard Cap should NOT be used where the requirement of regulations or protection call for a TYPE II Hard Cap.

If there are any questions regarding the products features or the proper care of the product, please consult your supervisor or safety manager, visit the Oberon Company website ([www.oberoncompany.com](http://www.oberoncompany.com)) or contact Oberon ([safety@oberocompany.com](mailto:safety@oberocompany.com)). Any questions regarding the proper use of a Hard Cap or the suitability of the use of this Hard Cap for your application, please consult the safety standards, your supervisor or your safety manager.



### **WARNING:**

**Serious injury or death could occur with improper use of this product**



### **WARNING:**

**If the Hard Cap has been subject to impact, discontinue use as this impact may result in damage to the Hard Cap that may reduce the protection offered by the Hard Cap. This damage may be perceptible to inspection by the user or not. However, even damage internal to the Hard Cap shell or suspension could result in reduce protection to the user.**



### **WARNING:**

**Failure to follow these warnings can result in serious injury or death**

- ✓ Insure a snug fit of the Hard Cap to the user's head to insure protection.
- ✓ Use this Hard Cap only in accordance with the referenced safety standards. This does not include the use of this Hard Cap as a bicycle, vehicle, horse riding or other sports helmet nor other applications that are not covered by the ANSI/ISEA Z89.1-2009. and/or CSA Z94.1-2005 safety standards.
- ✓ This Hard Cap is designed to provide limited protection to the user in accordance with the referenced safety standards. The space inside the cap between the inside of the cap shell and the suspension of the Hard Cap is critical to the protection offered by the Hard Cap. DO NOT place or store items within this space as it will compromise the ability of the Hard Cap to absorb the impact, causing serious injury or death to the user.
- ✓ Avoid exposure to live electrical conductors. However, Hard Caps identified as CLASS E (ELECTRICAL) and CLASS G (GENERAL) under ANSI/ISEA Z89.1-2009 and/or CSA Z94.1-2005 do provide limited insulation from electrical shock as detailed in the standards. Hard Caps rated CLASS C do not provide electrical protection
- ✓ Inspect the Hard Cap and its components prior to and after every use. Replace the Hard Cap in its entirety or any component of the Hard Cap as required (outlined in this document)
- ✓ Observe the Service Life of the Hard Cap shell and suspension as outlined in this document. Do not exceed it.
- ✓ This Hard Cap has been independently tested and certified to comply with the referenced safety standards. Any modifications to the Hard Cap and/or its components would reduce the protection offered by the product and negate its certifications. Oberon is not responsible or liable for any modifications or alterations to its products.
- ✓ Exposure to paint, solvents, or hydrocarbon or cleaners containing such elements (Example: MEK, thinner, gasoline, kerosene, etc) may cause damage to the Hard Cap and may reduce the protection offered by the product to the user.
- ✓ Oberon does not recommend the application of decals to the Hard Cap as they may negatively impact the surface of the Hard Cap shell and reduce the protection offered by the Hard Cap.

## **HOW TO INSTALL SUSPENSION**

Oberon typically sells its Hard Caps with the suspension pre-assembled into the Hard Cap shell for your convenience. In the event that the cap has been purchased with the suspension disassembled or the Hard Cap was disassembled for cleaning, please follow

these simple instructions to assemble/re-assemble the suspension to the cap. The instructions are the same whether the suspension is a ratchet adjustable model or a snap-pin adjustable model.

1. Flip the Hard Cap Shell upside down, with the crown/top of the Hard Cap pointing downward and the bill pointing towards you
2. Hold the suspension similarly pointing downward with the back of the suspension (either the ratchet or the snap-pin) pointing away from you. Note the wording on the top of the suspension pointing "TO REAR"
3. Lay the suspension into the cap.
4. Starting from the front of the cap, insert the front two suspension points into the respective slot on the inside of the brim of the cap. Follow by inserting the left and right suspension points and then the back two suspension points.
5. Insure that all six suspension points are firmly installed into the respective slots.
6. No tools should be required to assemble the suspension
7. The suspension in Oberon's Hard Caps should not be mounted in "reverse" position as this has not been tested.

### **HOW TO REMOVE SUSPENSION**

In the event a suspension needs to be cleaned or replaced, the suspension can be removed by following the installation instructions in reverse. Care should be taken to rock the 6 suspension points out of their respective slots without bending or breaking the suspension.

### **HOW TO REPLACE HEADBAND**

Oberon Hard Cap Suspensions include a head band across the front of the suspension, where it fits against your forehead. Some Hard Caps include a foam pad that is affixed to the suspension strap by an adhesive. Most come with a removable foam backed fabric headband.

- ✓ To remove and replace the adhesive backed foam pad, simply peel away the current headband and its adhesive backing from the strap. Remove the paper backing of the new headband and apply it evenly centered along the inside front of the suspension for a comfortable fit.
- ✓ The foam backed headband wrap around the suspension straps, connecting to a fitting on the outside of the front of the suspension strap. Disconnect the headband from the fittings by removing the fittings from the holes in the headband. Unwrap from the suspension strap and repeat the removal of the other side of the headband from the fittings. To replace, connect the fittings through the holes of the headband, pull the headband under, around and over the suspension strap. Affix the fittings through the holes along the other end of the headband to insure that it is firmly in place.

### **HOW TO ADJUST THE SUSPENSION**

Oberon Hard Caps come with either a Ratchet Adjustable Suspension or a Snap-Pin Adjustable Suspension.

- ✓ The Ratchet Adjustable Suspension can be adjusted by turning the knob on the suspension to make the suspension larger around or smaller around for best fit and comfort. This can be accomplished by the user while the cap is worn.
- ✓ The Snap-Pin Adjustable Suspension can be adjusted by fitting the pin end of the suspension into the hole end of the suspension to a point for best fit and comfort. This adjustment is similar to a typical baseball cap.

### **INSPECTION OF HARD CAP**

The user shall inspect the Hard Cap prior to and following every use of the Hard Cap. Inspection shall include both the shell of the Hard Cap as well as the suspension of the Hard Cap.

SHELL - Look for surface damage such as abrasion, scrapes, nicks or deterioration of the surface finish caused by ultraviolet (UV)/sun light that would indicate damage to the shell.

SUSPENSION: Inspect to insure it has been properly installed and is free of damage



### **WARNING:**

**Immediately replace the shell or the suspension if damage or degradation is noted as it could result in reduced protection to the user.**

### **GENERAL CARE OF HARD CAP**

Clean the helmet & suspension regularly. Use mild soap (no detergents) & warm water. Rinse & dry with soft cloth

To disinfect, use a 10% Sodium hypochlorite solution (better known as bleach) for 10 minutes and air dry.

This product is a designed, tested and certified to comply with applicable safety standards. It is an important part of your protective equipment. As such, care should be taken to insure it is well maintained. Do not throw, drop, or abused the Hard Cap as it may damage the unit and damage the protection offered by the unit.

Store helmet in a clean, dry environment. Avoid storage over 50°C(120°F) temperature. Avoid prolonged exposure to heat and sunlight such as the rear window of your truck that could expose the Hard Cap to conditions which would accelerate the degradation of the Hard Cap.

### **GUIDELINES FOR USEFUL SERVICE LIFE OF HARD CAP**

This helmet was manufactured by Oberon in Massachusetts USA. High quality materials are used in the manufacturing of this Hard Cap. However, the Hard Caps do provide limited protection against impact and other hazards as outlined in the respective standards. Hard Caps are not unbreakable nor will they last forever. Please observe the guidelines for the replacement of the unit and its components. In the event of observed damage by the user's inspection process or impact upon the Hard Cap, the Hard Cap and/or its components must be replaced.