

User Guide Oberon ArcShield[™]





Use

This product should be used in accordance with all labeling and the NFPA 70E (USA) and CSA Z462 (Canada) standards

Important Warning !!

This product does not provide insulation from electric shock. This product, when properly selected and worn, is designed to provide protection from burn injuries resulting from an electrical arc flash in accordance with ASTM F1506, NFPA 70E (USA) and CSA Z462 (Canada) standards. It is important to note that this product will provide limited or no protection against Sound, Pressure, Projectiles and Respiratory Hazards which may result from an arc incident. Face protective products which are effective against the arc flash hazard can reduce visibility. NFPA 70E calls for the use of additional lighting if work conditions require.

Do not reuse this product after an arc exposure.

Remember !!

Always perform a hazard analysis to determine the potential arc hazard energy level. Only use PPE with an arc rating (ATPV or EBT) that is equal to or greater than your potential arc hazard energy level.



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How to Assemble and Disassemble an Oberon ArcShield

To Disassemble the Oberon ArcShield

1. To Remove Hard Cap from ArcShield



- a. Push Adapter Tabs from under Hard Cap out of slot on Hard Cap. Repeat this to both sides of the Hard Cap.



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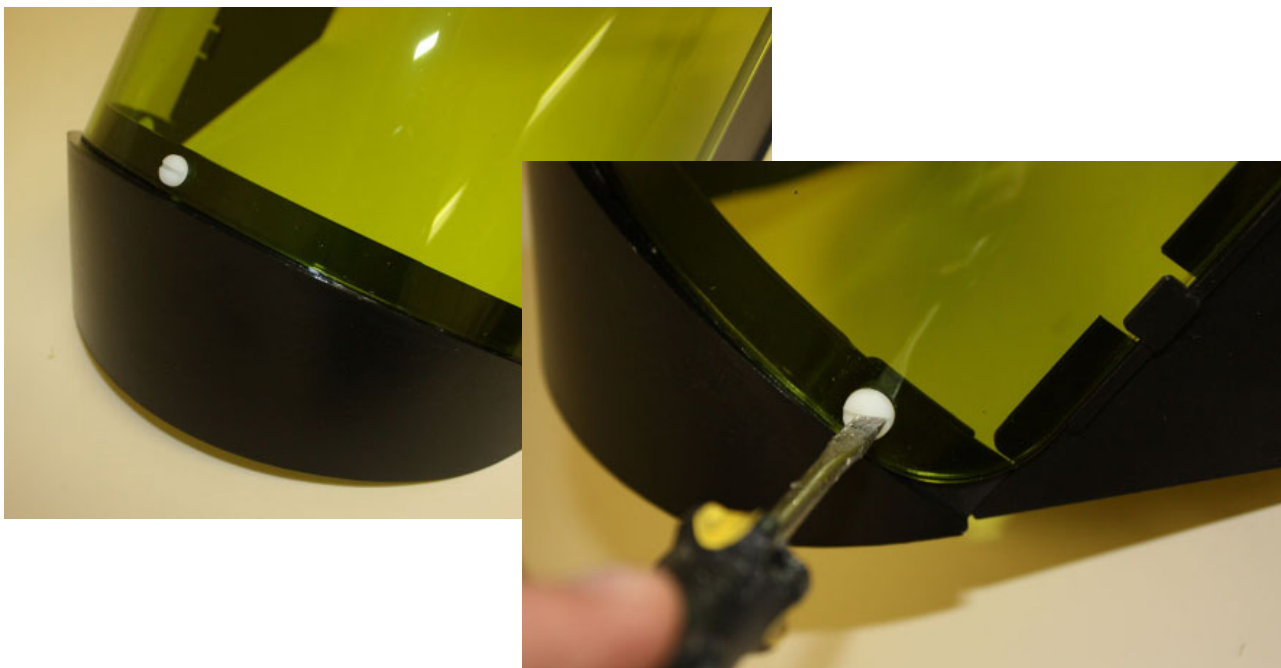


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2. To Remove Lower Double Crown



- a. With screw driver, unscrew the 3 white bolts along the bottom front edge of the ArcShield. Care should be taken to avoid scratching the surface of the ArcShield (while the outer surface of the shield is scratch resistant coated, it is designed to resist damage from scratching and scuffing that might occur during use . . not abusive scratching by a hard sharp object like a screwdriver)
- b. With the 3 connecting bolts removed, pull the Lower Crown away from the ArcShield
- c. Set the Lower Crown, White Nylon Bolts and White Nylon Nuts aside for reassembly



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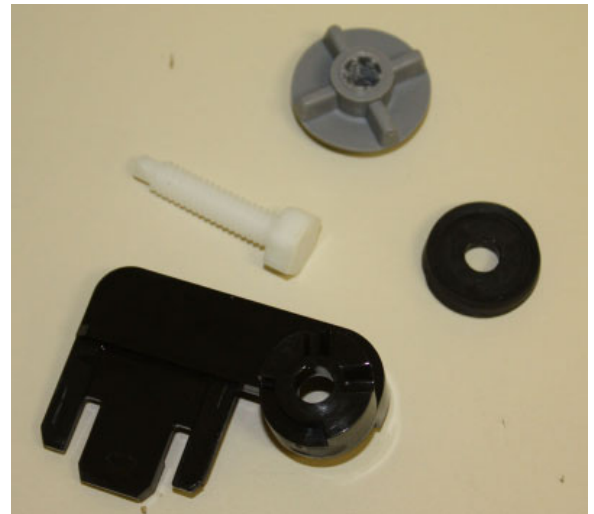


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3. To Remove Adapters & Side Shield Extenders from ArcShield



- a. Taking the Oberon ArcShield in your hands, looking straight into the faceshield (from outside), rotate ArcShield 90 degree horizontally so that you are looking at the side of the faceshield
- b. Remove Grey wingnut by rotating the wingnut counter clockwise
- c. Pull the Black Rubber Washer straight off
- d. Push the White Nylon Hexhead Bolt through hole in Black Side Shield Extender and tab on faceshield
- e. Pull the Side Shield Extender from the ArcShield and set aside for reassembly
- f. Repeat on other side of faceshield



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4. You should now have disassembled the ArcShield, in front of you are:



- a. 1 each - Hard Cap
- b. 2 each – Grey Wingnuts
- c. 2 each – Black Rubber Washers
- d. 2 each – White Nylon Hexhead Bolts (that connected to the Hard Caps adapters to the ArcShield)
- e. 2 each – Hard Cap Adapters (the fingers that connect the faceshield to the hard cap slots)
- f. 2 each – Black Side Shield Extenders (1 each marked Left & 1 each marked Right)
- g. 1 each – Black Lower Crown
- h. 3 each – White Nylon Bolts (used to connect Lower Crown to the ArcShield)
- i. 3 each – White Nylon Nuts (used to connect Lower Crown to the ArcShield)
- j. 1 each – your existing ArcShield visor

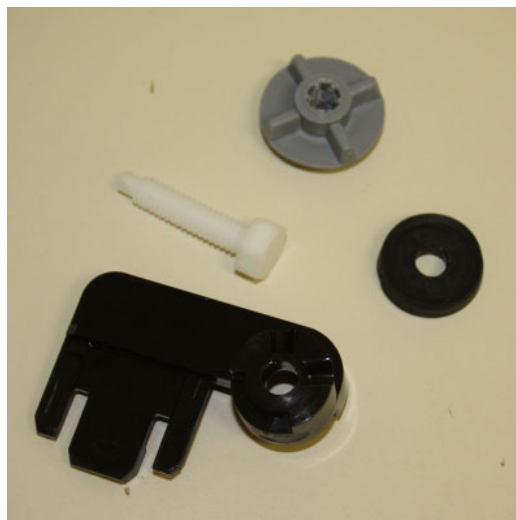




You are then able to reassemble the Oberon ArcShield either with the existing ArcShield visor (if disassembled for heavy cleaning . . or replace with a new ArcShield visor if you had damaged the existing visor). See REPLACEMENT PARTS at end of document for assistance ordering replacement parts for your Oberon ArcShield

To Assemble the Oberon ArcShield

5. To Connect the Adapters & Side Shield Extenders from ArcShield



- a. Taking the replacement ArcShield visor in your hands, looking straight into the faceshield (from outside), rotate ArcShield 90 degree horizontally to the left so that you are looking at the left side of the faceshield
- b. Align the black Side Shield Extender marked LEFT with the side of the faceshield following the curvature of the mold. Insure the Side Shield Extender is clipped onto the outer edge of the faceshield.
- c. Insuring that the White Nylon Hexhead Bolts are inserted into the Hard Cap Adapters, insert through small hole at top of the Side Shield Extender marked LEFT.
- d. Insert the bolt then through the square hole on the tab of the ArcShield.
- e. Push Black Rubber Washer over bolt against the tab of the ArcShield
- f. Tighten Grey Wingnut onto the White Nylon Hexhead Bolt. Excessive torque should not be necessary as this should be snug not tight. This will provide the tension to the ArcShield as you flip it up and down.
- g. Repeat on the other side with the Side Shield Extender marked RIGHT



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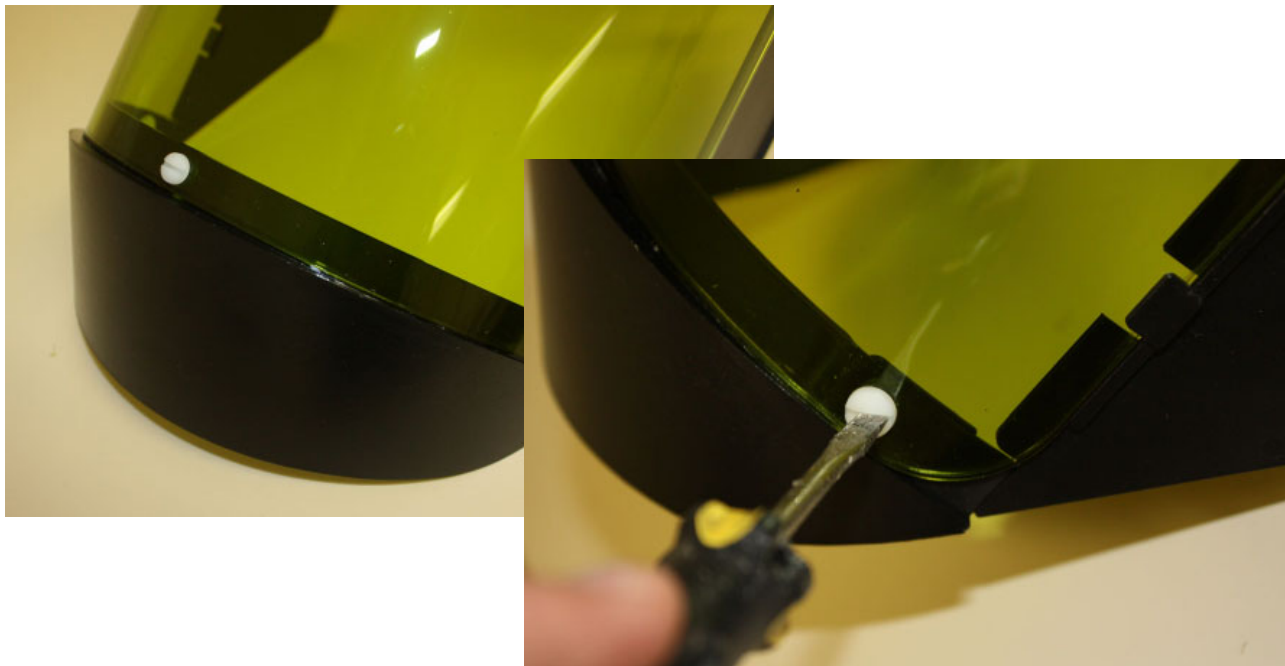


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6. Assemble Lower Double Crown



- a. Place the Lower Crown behind (or inside) the curvature of the ArcShield Visor.
- b. The Tabs of the Side Shield Extenders are placed on top of the Lower Crown.
- c. Line up Black Lower Crown so that the holes on the Lower Crown align with the holes in the ArcShield.
- d. Insert one of the small White Nylon Bolts through the center hole of the Lower Crown, from the outside towards the inside. Place one of the White Nylon Nuts on the end of the White Nylon Bolt and tighten with a screwdriver. Care should be taken to avoid scratching the surface of the ArcShield (while the outer surface of the shield is scratch resistant coated, it is designed to resist damage from scratching and scuffing that might occur during use . . not abusive scratching by a hard sharp object like a screwdriver)
- e. Repeat with the holes on the left and right of the Lower Crown, making sure to insert the White Nylon Bolt through the hole on the ArcShield from the outside through hole on the the Lower Crown then through the hole on the tab of the Side Shield Extender. Tighten down one of the White Nylon Nuts on each Bolt to complete the assembly of the Side Shield Extenders and the Lower Crown



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7. Connect Hard Cap to ArcShield



- a. Pushing Hard Cap Adapter fingers through the slot in the brim of the Hard Cap from the top down. If properly assembled, the adapter should fit snugly in the slot.



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Important Note:

If the incorrect adapter is used to connect with the incorrect Hard Cap, breakage of the adapter can occur because of a poor fit. Most Brands of Hard Caps incorporate a different slot into their caps. There is NO UNIVERSAL SLOT. Breakage of adapters using the wrong cap is not a manufacturing defect but a failure in the field which will not be supported. Each adapter is identified by a number and a color. Please be aware of these available configurations.

<u>Brand</u>	<u>Adapter Model</u>	<u>Color</u>
Oberon Cap	SF5000	Black
MSA TopGuard	SF4000	Blue
MSA VGard caps	SF3000	Grey
3M/AEARO	SF1000	White
Bullard Caps	SF1000	White
Honeywell/Arkon/Techna	SF4000	Blue
North Safety	SF4000	Blue
Dynamic Safety	SF4000	Blue

If you do not see your Hard Cap model listed . . or you suspect that the adapter may be incorrect due to a poor fit, please contact Oberon Customer Service for assistance.

It is important to note that Oberon does not manufacture these competitive brands of caps. The fit in these other brands will vary from good to OK. If you want the optimal functionality and suitability, we strongly recommend that you use the Oberon branded Hard Caps when you use Oberon branded Faceshields.



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STORAGE

Like any safety product, reasonable care should be taken in the handling and storage of an Oberon ArcShield.

In between uses, please consider storing the product in a storage bag, protecting it from nuisance dust and dirt that might accumulate on the product, requiring additional cleaning before next use.



Oberon KitBag



Shield Bag-Nylon



ShieldBag-Canvas

Care should be taken to avoid scratching the surface of the ArcShield. Depending upon the model purchased, the outer surface of the shield is scratch resistant coated. This is designed to resist damage from scratching and scuffing that might occur during use . . not abusive scratching by a hard sharp object like a screwdriver or other tools in your storage area or locker.

PLEASE DO NOT USE YOUR ARCSHIELD AS A TOOL BOX . . Carrying tools around in your ArcShield like a tool bucket will scratch the inner surface, potentially reducing your visibility and the value of your purchase

Inspection

Prior to the use of any safety product, the product should be inspected for damage and contamination that would make it unsuitable for use. If you have any questions, please contact your supervisor or safety officer for clarification.



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Replacement Part Numbers:

Replacement ArcShield Visors:

Model	Replacement Part Number
21ARC4-C+500	0ARC4SHLD-DC
21ARC4AF-C+500	0ARC4SHLD-AF-DC
21ARC8-C+500	0ARC8SHLD-DC
21ARC8AF-C+500	0ARC8SHLD-AF-DC
21ARC12-C+500	0ARC12SHLD-DC
21ARC12AF-C+500	0ARC12SHLD-AF-DC
21ARC12-C+M22	0ARC12SHLD-DC
21ARC12AF-C+M22	0ARC12SHLD-AF-DC

Lower Crown
DC-Black

Side Shield Extenders
FF500-Black

Adapter Kits that contain
2 each – Hard Cap Adapters
2 each - White Nylon Bolts
2 each – Black Rubber Washers
2 each – Grey Wingnuts

Select appropriate kit based upon the brand of Hard Cap you plan to use.

<u>Brand</u>	<u>Adapter Model</u>	<u>Color</u>
Oberon Cap	SF5000	Black
MSA TopGuard	SF4000	Blue
MSA VGard caps	SF3000	Grey
3M/AEARO	SF1000	White
Bullard Caps	SF1000	White
Honeywell/Arkon/Techna	SF4000	Blue
North Safety	SF4000	Blue
Dynamic Safety	SF4000	Blue



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How to reach Oberon ...



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