



# **XR944A**

## **Clear View Visor**

User Instructions (Supplement)

EN English

**Safety**



**WARNING**



**Read Instructions**

Before using this product, read the instructions and any related data sheets. (See [www.parweld.com](http://www.parweld.com)).



**Fumes and Gases**

Fumes and gases emitted during welding may be dangerous, use adequate ventilation and extraction equipment.



**Arc Rays**

Arc rays may burn eyes and skin. Wear protective clothing.



**Electric Shock**

Electric shocks can kill, use adequate protective equipment. Ensure a safe earth connection. Do not touch electrical parts or electrode.



**Burn and Fire Hazard**

Weld and metal parts are hot and cause serious burn injuries if touched. Sparks can cause burns and fire. Remove all flammable materials from the welding area.



Injury can occur from bodily contact with hot parts, sparks, fumes, dust, noise and vibration.



Protect your eyes and face with a mask fitted with a filter lens. Use welding screens.



Wear protective clothing to protect your body and ears.



Use adequate ventilation or wear respirator equipment to prevent dust, fumes and gases from entering your lungs.

## Technical Data

<b>Viewing Area:</b>	315mm × 200mm / 12.40" × 7.87"
<b>Weight Excluding Hose:</b>	516g
<b>Material Helmet Shell:</b>	Polyamide
<b>Visor:</b>	Polycarbonate Operating Temperature - 10°C to + 55°C
<b>Storage Temperature:</b>	- 20°C to + 80°C
<b>Marking:</b>	ART 175F (Helmet Shell) , ART 1F- 166 F Visor.

## Marking Safety Protection Lens:

ART

Manufacturer

1

Optical Class

F-

Low Energy Impact

166

Number of the Standard

F

Low Energy Impact

## **The XR944**

The clear visor with PAPR is headgear used to protect the eyes, face, and neck from dust and particles during processes that generate dust or low-speed flying debris. The headgear must be combined with a Parweld PAPR (Powered Air Purifying Respirator) system during use.

### **Safety Instructions**

Read these instructions carefully before using the equipment. Incorrect use could endanger life and limb and void warranty.

- Before using the product, always check that the equipment is complete and that no damage has occurred during transport. Never use faulty or damaged equipment.
- The user must be familiar with the correct use of his/her personal protective equipment.
- The user of this head gear must also follow the instructions for the PAPR system and the filters. (XR943A)
- Use the visor only in conjunction with a switched-on PAPR system.
- The helmet should only be used in conjunction with the Parweld blower unit that meets the requirements of national standards.
- The filtered air positive pressure in the head gear is the primary protection factor that prevents the ingress of air pollutants.
- A disabled PAPR system does not protect the user's respiratory organs. A switched off blower could lead to an increase in the carbon dioxide concentration and to a dangerous drop in oxygen in the head gear.
- Make sure that the sealing band of the face seal is pressed firmly against your face.
- The protection factor may be impaired if the user's hair or beard protrudes onto the mechanical seal part.

- Strong wind from the side or back can impair the protection offered by the helmet. In the event of extremely high levels of environmental particle contamination, inhalation may cause very low pressure in the helmet. This could impair the protection. In this case, do not remove the helmet or switch off the fan until you have left the danger area.
- The unit should not be used in a flammable or explosive environment

You must also wear appropriate protective clothing to protect the rest of your body. The protective visor may only be used for applications where particles, smoke or dust which can damage the respiratory tract are generated. Never use the helmet for other applications. The helmet can affect the field of view. As a result, signal lights or warning lights may not be seen. Furthermore, there is a risk of bumping due to the larger circumference (head with helmet). The helmet also impairs hearing and reduces the sensation of heat. The Parweld shall not be liable if the visor is used for any purpose other than the intended purpose or in violation of the operating instructions.

## Service life

Visor does not have an expiration date. The product can be used as long as no visible or invisible damage or malfunctions occur.



## **Wearing Position**

### **Adjusting the Head Band.**

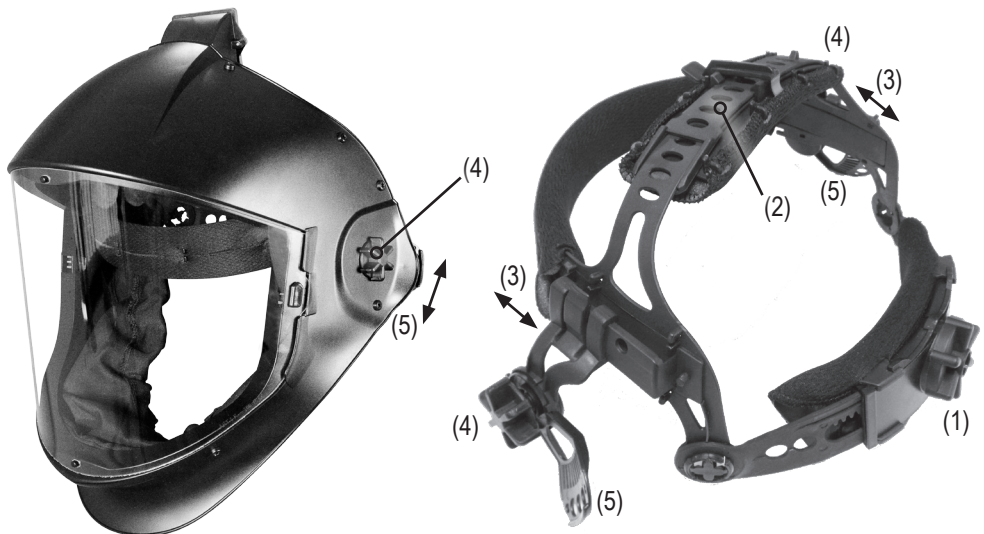
To fit and adjust the welding helmet position on your head, first place helmet over your head.

Adjust the tightness of the headband, use the rear nut (1). Adjust until it is a good fit around your head.

Adjust the height at which the helmet sits on top of your head, adjusting the top strap (2), by pressing the strap apart repositioning the clip in a new strap hole and pressing together again.

Adjust the nose to visor distance on both sides of the head band, unclip the side bracket (3), slide the head band backwards or forwards into a suitable position for your head, then press the clips back into place to secure.

Adjust the rake angle so that the viewing window is in front of your eyes and the base of the helmet sits close to the chest in the down position. Slacken the external nuts on the helmet sides (4) and then move the slotted rake angle plates (5) on the inside of the helmet. Locate the plates onto the shell tabs in the new position to set the rake angle.



## Set-up.

Please read thoroughly and understand this user manual to ensure correct, safe and effective use of the visor. Failure to do so can result in serious injury. Also keep the manual safely for future reference.

The Visor comes ready for use, but before operation always check;

- Check the condition of the visor and visor lens, remove the protective film and make sure that they are clean, and free of dirt and are retained securely.
- Check visor lens condition and replace if there is pitting cracking or other damage to the surface. (Refer replacement instructions for further details)
- Check the fabric face seal is intact and there are no holes in the face seal, ensure the adjustment cord works effectively.
- Adjust headband so that the helmet is seated as low as possible on the head and close to your face. Adjust helmet's angle when in the lowered position by slackening the retaining nuts and repositioning the rake limitation plates. Also adjust the fit of the headband using the rear ratchet nut. (Refer detailed adjustment instructions)

## Connect the Blower Hose.

Attach the grey connector to the top of the visor. Then, insert the black connector into the blower unit and twist to lock it in place.

Refer to the XR943A manual for blower operating instructions.



## Visor Lens Replacement.

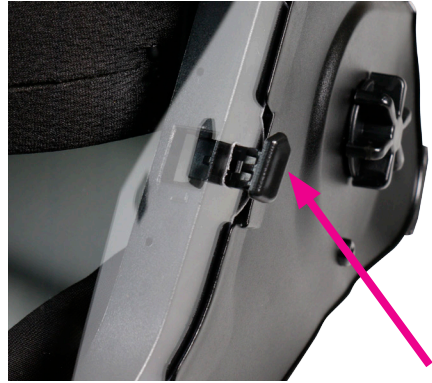
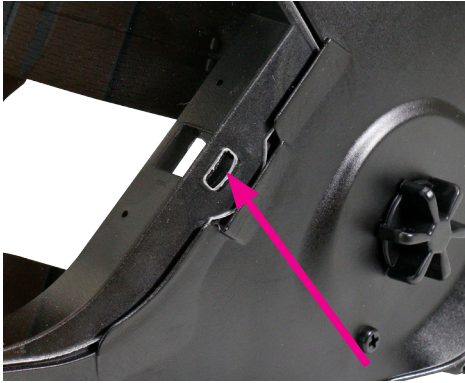


Release the two retaining clips inside the helmet by pushing down and out, removing them completely.

Push on the inside of the lens to release it from the helmet.



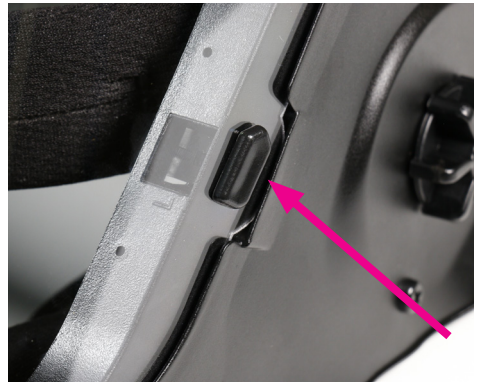
### To Fit the New Lens.



Insert one end into the tabs at the side and refit one of the retaining clips ensuring the arrow is facing upwards.

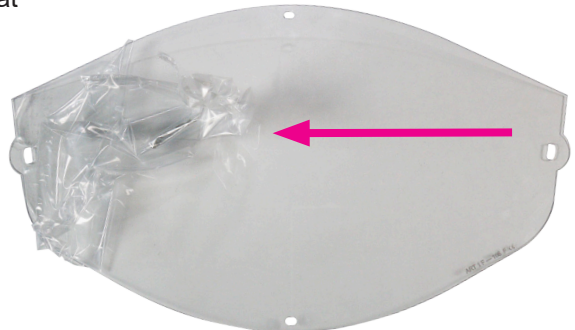


Wrap the lens around the helmet ensuring it is located on the two centre pegs and under the tabs at the opposite side.



Refit the final clip with the arrow facing upwards.

Remove the protective film prior to operation.



## Spares



Item	Description	Stock Code
1	Helmet c/w Head Band, Face Seal and Duct	XR944H
2	Clear Visor Lens	XR460
3	Hose With Cover	XR1109
4	Headband Sweat Pads (Front)	XR9550
5	Headband Assembly	XR9540
6	Face Seal	XR9570
7	Flame Retardant Hose Cover	XR1108
8	Visor Retaining Clips (Pair)	XR462





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