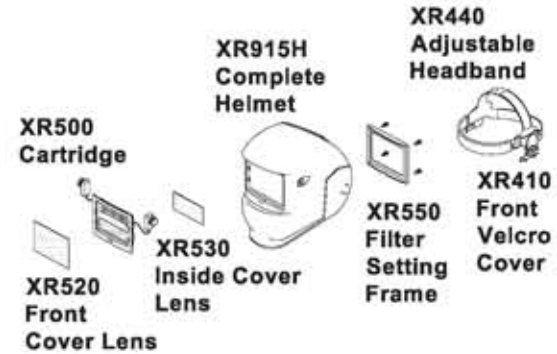


PARTS LIST



MAINTENANCE

REPLACEMENT OF FRONT COVER LENS

- Remove the front cover lens by pulling outwards at the base of the lens using the finger slot provided.
- Make sure the protective films are removed from the new cover lens.
- Place the new cover lens in the recess at the front of the helmet.
- Locate the cover lens under the lugs at the left of the cartridge and then flex the lens so that it can be inserted under the lugs on the right hand side of the cartridge.
- Only use genuine Parweld cover lenses, using lower grade lens may cause warping and allow spatter to damage the cartridge so invalidating the warranty.

NOTE - Do not use the helmet without the cover lens in place.

REPLACEMENT OF INNER COVER LENS

- The welding inner cover lens is removed by pulling out the top edge.
- The new inner cover lens is assembled after the protective film is removed. Locate one of the sides by inserting the edge under the frame at the side and bend the lens in the middle part and locate the lens under the frame at the other side.

REPLACEMENT OF WELDING FILTER

- Prise off the shade adjusting knob from the outside of the helmet and unscrew the plastic locking nut below, repeat the process for the sensitivity knob.
- From inside the helmet unscrew the 4 securing screws at each corner and lift out the frame push the cartridge forwards gently.
- The cartridge can now be removed from the front of the helmet.

INSPECTION

- Carefully inspect your Parweld Auto Darkening Welding Filter regularly.
- Cracked, pitted or scratched filter glass or cover lenses reduce vision and seriously impair protection.
- These should be replaced immediately to avoid damage to the eyes.
- Inspect the complete helmet frequently and replace worn or damaged parts.

CLEANING

- Clean the helmet with mild soap and lukewarm water.
- Clean the welding filter with a clean lint-free tissue or cloth.
- Do not immerse in water.
- Do not use solvents.

FAULT FINDING

IRREGULAR DARKENING

- Headband has been set unevenly so the distance between the eyes and the lens is different from the left to the right.

AUTO DARKENING FILTER DOES NOT DARKEN OR FLICKERS

- Front cover lens is soiled, clean or replace.
- Photo sensors are dirty, wipe clean with a soft lintfree cloth.
- Welding current is too low, select the slow position on the filter and ensure the view of the weld is unobstructed.
- Change to high sensitivity.

POOR VISION

- Ensure the cover lens and the filter cartridge are clean.
- Ensure the shade number is correct and adjust accordingly.
- Ensure ambient light is not too low.

WARRANTY

Parweld warrants to the purchaser that the product will be free from defects in material and workmanship for the period of 18 months from the date of the sale to the buyer. The manufacturer's sole obligation under this warranty is limited to making replacement or repairs, or to refund the purchase price of the product with defects.

This warranty does not cover product malfunctions or damages, which result from the product being tampered, misused or abused. The operation instructions must be followed; failure to do will void the warranty. The manufacturer is not responsible for any indirect damage, which arises out of the use of the product.

parweld 



XR915H Light Reactive Welding and Grinding Helmet
Instruction Guide

XR915H Light Reactive Welding and Grinding Helmet

WARNING

Please read and understand all instructions prior to using the Parweld XR915H Light Reactive Welding and Grinding Helmet.

GENERAL INFORMATION

This Parweld XR915H Light Reactive Helmet will not protect against severe impact hazards, such as fractured grinding wheels or abrasive discs, explosive devices or corrosive liquids. Machine guards or eye splash protection must be used when these hazards are present.

All Parweld light reactive welding filters are for use in Arc welding or cutting applications. The unit is suitable for all Arc welding processes such as MIG, MAG, TIG, SMAW, Plasma Arc, and Carbon Arc.

Use this helmet only for face and eye protection against harmful rays, sparks and spatter from welding, grinding and cutting.

The Parweld XR915H Light Reactive Helmet is not suitable for "overhead" welding applications, Laser welding or Laser cutting applications.

In the event of electronic failure, the welder remains protected against UV and IR radiation according to Shade 16.

The Parweld light reactive welding filter should always be used with original Parweld inner and outer cover lenses.

The manufacturer is not responsible for any modifications to the welding filter or the use of the filter in any other manufacturer's helmet.

Protection can be seriously impaired if unapproved modifications are made.



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use your local amenity tip and dispose in the correct manner. This will allow the recycling of raw materials and help protect the environment.

TECHNICAL SPECIFICATION

Viewing Area	98mm x 44mm / 3.86" x 1.76"
Cartridge Size	122mm x 100mm x 9mm / 4 ⁶ / ₁₆ " x 3 ¹⁵ / ₁₆ " x 3 ¹ / ₂ "
UV/IR Protection	Permanent DIN Shade 16
Light State	DIN Shade 4
Dark State	DIN Shade 9 to 13 variable
Power Supply	Solar cell with built in battery (Estimated 6 year life)
Power On/Off	Fully automatic
Switching Time	Light to dark 0.000033 seconds
Light to Dark	0.25 – 0.35 seconds – fast position
	0.60 – 0.80 seconds – slow position
Operating Temp	-5°C to +55°C (23°F to 131°F)
Storage Temp	-20°C to +70°C (-4°F to 158°F)
Helmet Material	High Impact Polyamide Nylon
Total Weight	560g
Minimum Amperage Required	40 Amps

DO

Ensure the front cover lens is fitted before use and remove protective film.

Ensure that the lens is clean and there is no dirt or spatter covering the 2 sensors at the front of the filter cartridge.

Inspect all parts for signs of wear or damage. Any scratched or cracked parts should be replaced prior to use.

DON'T

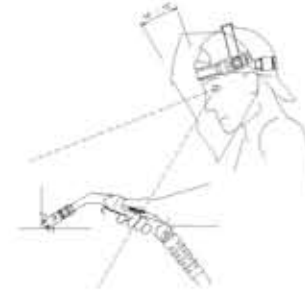
Never place the helmet on a hot surface.

Never open or tamper with the filter cartridge.

OPERATION

1. ADJUST THE WELDING HELMET ACCORDING TO YOUR INDIVIDUAL REQUIREMENTS

The headband should be adjusted both in diameter and height. The angle between face and helmet should also be adjusted and is recommended to be 10° - 12°.



2. ON/OFF

The solar unit automatically switches on when exposed to light.

3. SELECT THE SHADE NUMBER

Five different shade numbers, 9, 10, 11, 12 and 13, are available in the dark state.

The shade number can be selected by turning the shade on the side of the helmet.

The set shade is indicated by the arrow on the knob.

4. SELECT DELAY TIME

By moving the selector switch on the rear of the cartridge the time taken for the lens to lighten after welding can be altered.

SHORT

The lens will lighten after welding in 0.25 to 0.35 second dependant upon ambient temperature and shade set. This setting is ideal for tack welding or production welding with short welds.

MEDIUM

The lens will lighten after welding in 0.4 to 0.5 second dependant upon ambient temperature and shade set. This setting is ideal for production welding with low amperages.

LONG

The lens will lighten in 0.6 to 0.8 seconds dependant upon the ambient temperature and set shade. This setting is ideal for welding at high amperages where there is an after glow from the weld.

5. SELECT THE SENSITIVITY

The sensitivity can be adjusted by rotating the knob on the side of the helmet. This alters the sensitivity of the helmet to ambient light levels. On low sensitivity the helmet will not switch due to sunlight or welders working near by. On high sensitivity the helmet will respond better to small arcs or TIG welding. The set shade is indicated by the arrow on the knob.

6. SELECT GRINDING MODE

By moving the selector switch on the outside of the helmet, the cartridge can be set in a permanent light state for use when grinding.

RECOMMENDED SHADE NUMBERS

WELDING PROCESS	CURRENT AMPERES																						
	0.5	1	2.5	5	10	15	20	30	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450
Covered Electrodes									Shade 9		10		Shade 11			Shade 12			Shade 13		14		
MIG Plate Welding									Shade 10			Shade 11		Shade 12			Shade 13		14				
MIG Sheet Welding									Shade 10			Shade 11		Shade 12		Shade 13		Shade 14		15			
TIG					Shade 9		10		Shade 11		Shade 12		Shade 13		Shade 14								
MAG									Shade 10		11		12		Shade 13		Shade 14		Shade 15				
Arc Gouging									Shade 10			11		12		13		14		Shade 15			
Plasma Cutting									Shade 11			Shade 12			Shade 13								
Plasma Welding	4	5	6	7	8	9	10	11	Shade 12		Shade 13		Shade 14		Shade 15								