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Read all instructions and warnings before using this product.
Keep this manual for future reference.

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Rev: 0

INTRODUCTION

The RPB® Z-LINK is approved by NIOSH in category as follows:

- Powered Air Purifying Respirator - When used with the PX4 AIR PAPR unit.

The Z-LINK is a multi-use respirator for a number of different applications where there is a need for protection from airborne contaminants, eye/face protection and head protection; such as welding, grinding, construction and other industrial applications.

The Z-LINK is tested and certified for the following standards:

- Head protection to the ANSI Z89.1 standard.
- Eye and face protection to the ANSI Z87+ standard.

The Z-LINK has been designed for use in atmospheres that are NOT IMMEDIATELY DANGEROUS TO LIFE OR HEALTH (IDLH).

The Z-LINK is approved for use with the following breathing air source:

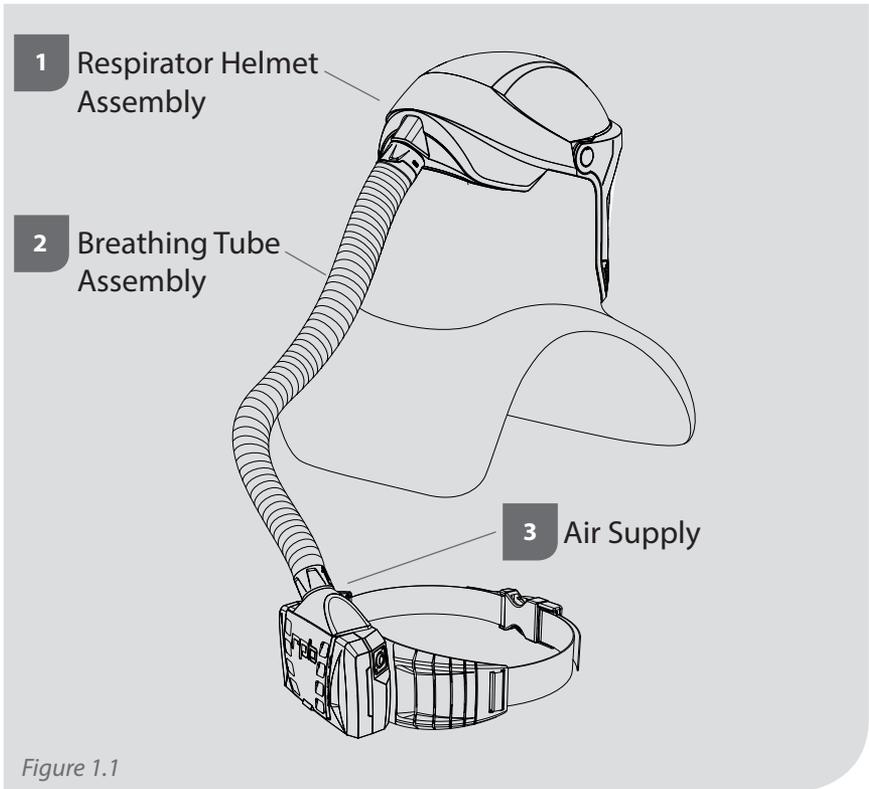
- 03-901 RPB® PX4 AIR Powered Air Purifying Respirator (refer to PX4 PAPR Instruction Manual for instructions on setting up for use with the PAPR)

WARRANTY

All RPB® products are covered by a manufactures warranty of 3 months. The manufacturer warranty covers defects in material, workmanship and does not cover damage caused by misuse or abuse. RPB®'s only obligation and your exclusive remedy shall be to repair, replace or refund the purchase price of such parts or products upon the presentation of proof of purchase. Maximum liability is in no case to exceed the value of the RPB® product involved.

RESPIRATOR COMPONENT CONCEPT

The RPB® Z-LINK Respirator consists of 3 main components, as shown in Fig 1.1. All 3 components must be present and properly assembled to constitute a complete NIOSH Approved Respirator.



!WARNING! Failure to use genuine parts and components that are part of the NIOSH approved respirator assembly will void the approval of the entire respirator assembly.

!WARNINGS!

1. Ensure that the helmet is correctly assembled in the configuration that suits your application. When used for welding make sure that it completely blocks any accidental light. In the front, light may enter the helmet only through the viewing area of the autodarkening welding filter.
2. Check the prescribed shade level for your welding application and adjust your autodarkening filter accordingly (see the table with recommended shade levels Pg 25).
3. Never place the helmet or the autodarkening welding filter on hot surfaces.
4. Scratched or damaged safety lenses should be regularly replaced with genuine RPB replacement parts. Before using the new safety lens, make sure to remove any additional protection film from both sides.
5. Use the RPB® Z-LINK only within the temperature range of 14°F to 140°F (-10°C to +60°C).
6. Do not expose the autodarkening welding filter to liquids and protect it from dirt.
7. Improper use of this respirator or use not in accordance with this User Instruction Manual may cause injury or death. Improper use may also cause life threatening delayed lung, skin and eye disease. The RPB® Z-LINK Respirator is manufactured to protect the operator's face and head against sparks and hazardous ultraviolet and infrared rays emitted during the welding process. It is not intended to be used as a protection against impact, flying particles, molten metals, corrosive liquids or hazardous gases.
8. Materials which may come into contact with the wearer's skin could cause allergic reactions to susceptible individuals.
9. Respirator worn over standard spectacles may transmit impact, thus create a hazard to the wearer.
10. The RPB® Z-LINK Respirator does not provide hearing protection. Earplugs or earmuffs must be properly fitted when exposed to noise levels that exceed the OSHA permissible exposure levels.
11. Do not use this respirator until you have been trained in the respirators use, maintenance and limitations by a qualified individual (appointed by your employer) who has extensive knowledge on the RPB® Z-LINK Respirator. All training must be in accordance with this Users Instruction Manual.
12. Before using this respirator ensure your employer has determined that airborne contaminant concentrations do not exceed those allowed by applicable OSHA, EPA or NIOSH regulations and recommendations for powered

!WARNINGS! (CONTINUED)

air purifying respirators. Federal law requires that the employer measures and monitors airborne contaminant levels in the work area.

13. If this respirator is used in confined spaces, ensure the area is well ventilated and that all contaminate concentrations are below those recommended for this respirator. Follow all procedures for confined space entry, operation and exit as defined in applicable regulations and standards.
14. **DO NOT WEAR** this respirator if any of the following conditions exist:
 - Atmosphere is immediately dangerous to life or health.
 - You **CAN NOT** escape without the aid of the respirator.
 - Atmosphere contains less than 19.5% Oxygen.
 - Work area is poorly ventilated.
 - Contaminants are in excess of regulations or recommendations.
15. Do not modify or alter this respirator. Use only parts and components that are part of the NIOSH approved respirator assembly. The use of non RPB® parts voids the NIOSH approval of the entire respirator assembly.
16. Inspect all components of the respirator daily for signs of damage or wear and tear that may reduce the level of protection originally provided.
17. Do not wear this respirator until you have passed a complete physical exam including a lung X-ray conducted by qualified medical personnel.
18. This respirator, when properly fitted and used, significantly reduces but does not completely eliminate the breathing of contaminants by the respirator wearer.
19. RPB® Safety cannot accept any liability of whatsoever nature arising directly or indirectly from the use or misuse of RPB® Safety products, including purposes that the products are not designed for. RPB® Safety is not liable for damage, loss or expense resulting from the failure to give advice or information or the giving of incorrect advice or information, whether or not due to RPB® Safety's negligence or that of its employees, agents or subcontractors.
20. **LEAVE WORK IMMEDIATELY IF:**
 - Any respirator component becomes damaged
 - Airflow stops or slows down
 - Breathing becomes difficult
 - You become dizzy, nauseous, too hot, too cold or ill
 - Vision is impaired

NIOSH - CAUTIONS AND LIMITATIONS

- A. Not for use in atmospheres containing less than 19.5 percent oxygen.
- B. Not for use in atmospheres immediately dangerous to life or health.
- C. Do not exceed maximum use concentrations established by regulatory standards.
- F. Do not use powered air-purifying respirators if airflow is less than 4CFM (115lpm) for tight fitting face pieces or 6CFM (170lpm) for hoods and/or helmets.
- I. Contains electrical parts which have not been evaluated as an ignition source in flammable or explosive atmospheres.
- J. Failure to properly use and maintain this product could result in injury or death.
- L. Follow the manufacturer's User's Instructions for changing cartridges, canister and/or filters.
- M. All approved respirators shall be selected, fitted, used and maintained in accordance with MSHA, OSHA, and other applicable regulations.
- O. Refer to user's instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
- N. Never substitute, modify, add or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
- P. NIOSH does not evaluate respirators for use as surgical masks.
- S. Special or critical user's instructions and/ or specific limitations apply. Refer to user's Instruction page 8 before donning.



RESPIRATOR OPERATION

AIR SOURCE

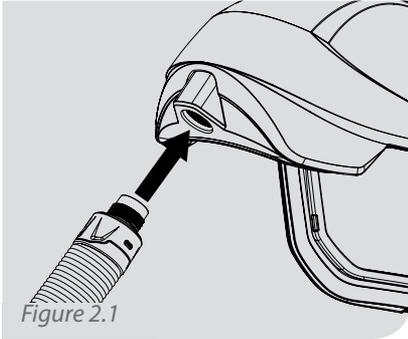
POWERED AIR

Check that the contaminated area is within the limits of use for a Powered Air Purifying Respirator and determine the type of contamination. Once the contamination level has been confirmed you can then determine the filter cartridge to be used for the application, to make sure that you are sufficiently protected. Make sure that the area is well ventilated and that regular air samples are taken to confirm the atmosphere stays within the levels recommended by OSHA and other governing bodies. Follow the PX4 PAPR Instruction Manual for more details.

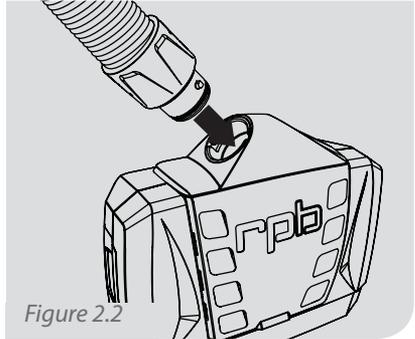
!WARNING! The RPB® Z-LINK is only approved to be used with the RPB® PX4 AIR PAPR.

SETUP AND USE

BREATHING TUBE



Insert the threaded end of the breathing tube (04-835) into the threaded hole in the back of the Z-LINK and screw the breathing tube in completely without over tightening.



Insert the bayonet end of the breathing tube into the outlet of the PX4 AIR PAPR and twist it in until it is secure.

FOR USE WITH RPB® PX4 AIR - SEE THE PAPR USER MANUAL

When the Z-LINK Respirator is being used in conjunction with the RPB® PX4 AIR PAPR, please refer to the RPB® PX4 PAPR User Instruction Manual for set up and use of the assembly.

Note: The RPB® PX4 is a Powered Air Purifying Respirator, therefore care must be taken when selecting the correct filter for the application the respirator will be used in.

SETUP AND USE (CONTINUED)

LENS REPLACEMENT

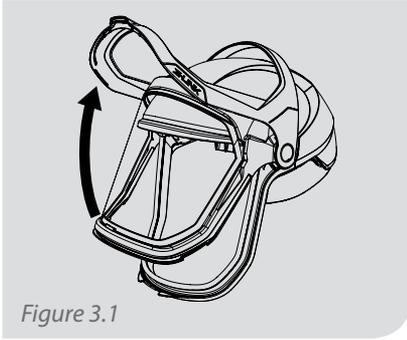


Figure 3.1

To replace the Safety Lens, lift up the visor, unlatch the inner visor from the outer visor and open them apart.

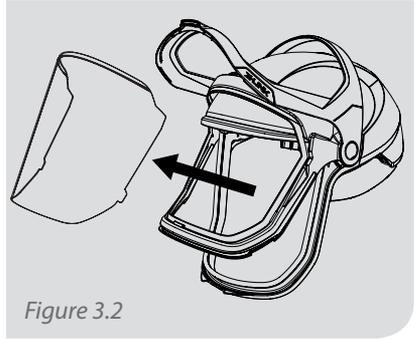


Figure 3.2

Pull out the lens and insert a new Safety Lens making sure the tabs of the lens are in all four attachment points on the visor and the lens is inside of the guide along the bottom front edge of the visor.

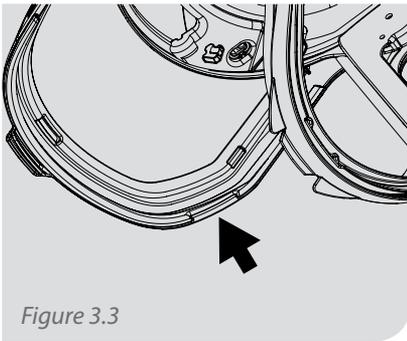


Figure 3.3

Close the outer visor over inner visor and lens, making sure the latches at the corners are secure.

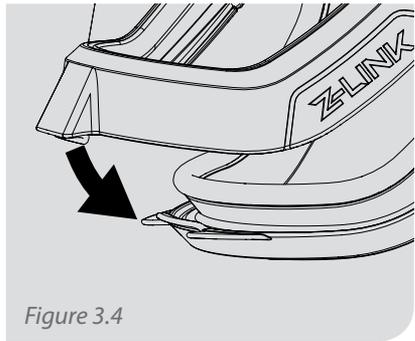
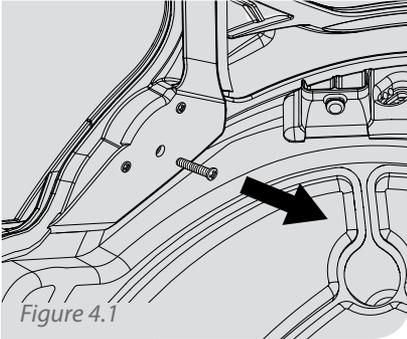


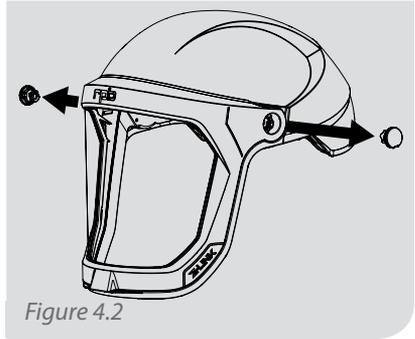
Figure 3.4

Close the visor making sure it LATCHES SECURELY to the front of the jaw. Listen for the visor latching over the tab on the front of the jaw.

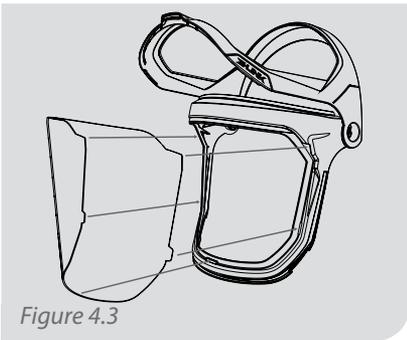
VISOR REPLACEMENT



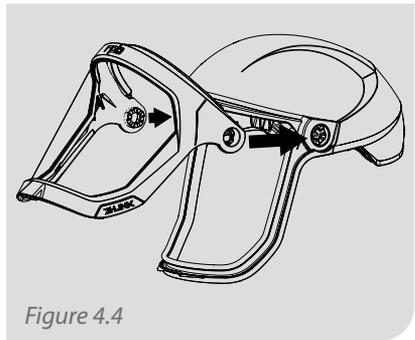
To replace the Visor, from inside of the helmet, unscrew the center screw from the visor pivot point on each side.



Remove the cap, pivot pin, and spring from the visor on both sides. Pull the visor out of the pivot points and remove from the helmet.



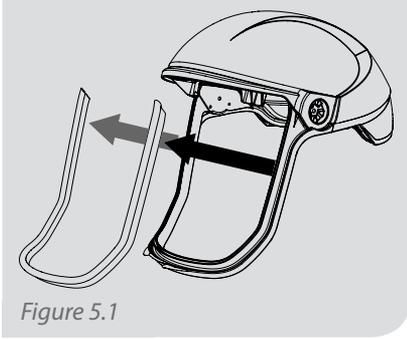
To attach the Visor, insert the selected Safety Lens into the inner visor and secure the inner and outer visors together.



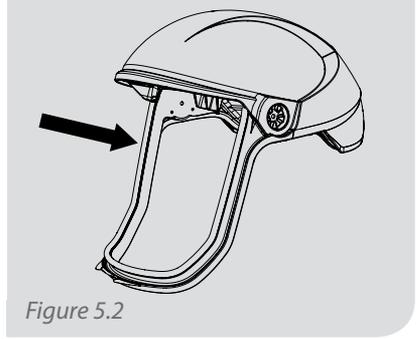
Place the visor onto the helmet pivot points, insert the pivot pins and springs, then screw in the attachment screws from the inside of the helmet until tight.

SETUP AND USE (CONTINUED)

VISOR SEAL REPLACEMENT

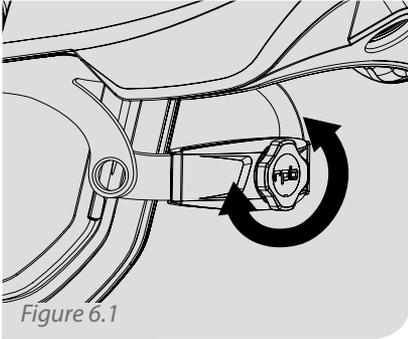


The visor seal can be replaced by pulling it out of the track around the visor opening.

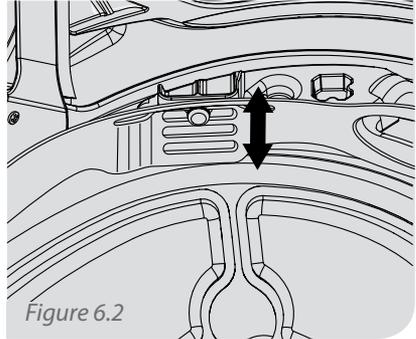


Starting from one of the top corners, insert the new visor seal by pressing the edge into the track all of the way around the visor opening.

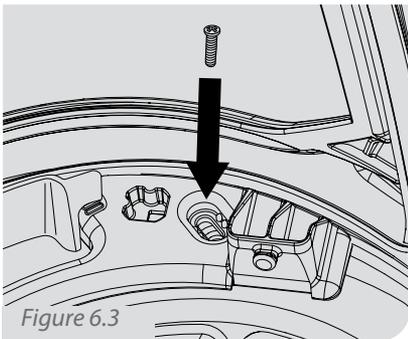
HEAD HARNESS ADJUSTMENT



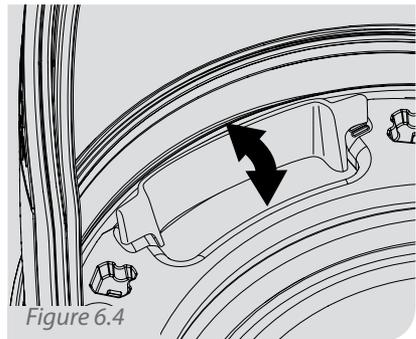
The head harness can be tightened or loosened using the ratchet knob on the back of the headband.



The height of the head harness can be adjusted at the four attachment points by switching which of the three slots is used.



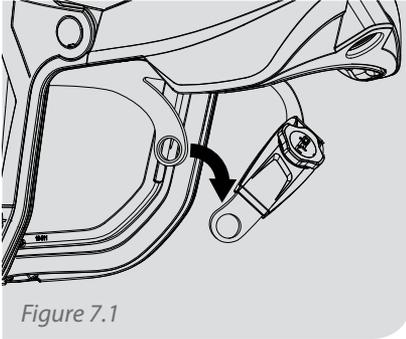
The position of the head harness can be adjusted by loosening the screws that hold the front bracket and sliding it forward or backwards into the desired slot. Once in position, tighten the screws.



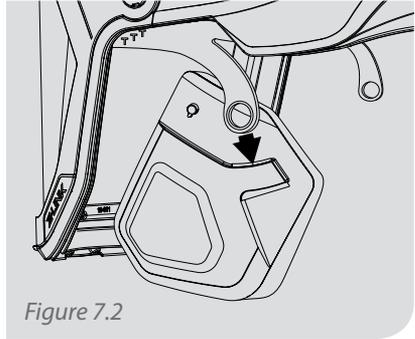
Airflow can be directed by positioning the air flow director so that the air flows more towards the visor or towards the face.

SETUP AND USE (CONTINUED)

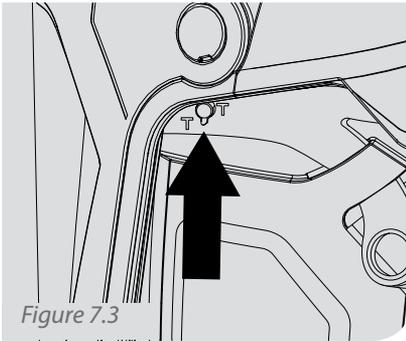
SIDE PADDING SYSTEM



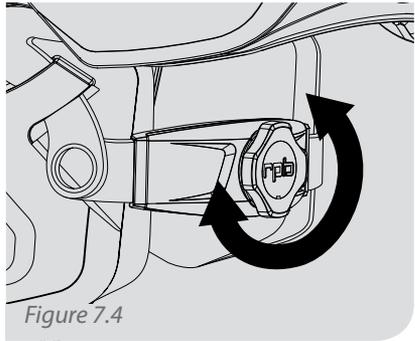
Detach the head harness ratchet at the pivot points.



Slide the ends of the head harness into the slots on the side pad covers.



Slide the tab on the side pad covers into one of the three T-shaped slots in the head harness depending on the desired height of the side pads. Reinsert the ratchet pivot points.



While wearing the Z-LINK, tighten the ratchet adjustment until the helmet and sidepads sit comfortably on the head and ears.

SIDE PADDING SYSTEM CLEANING

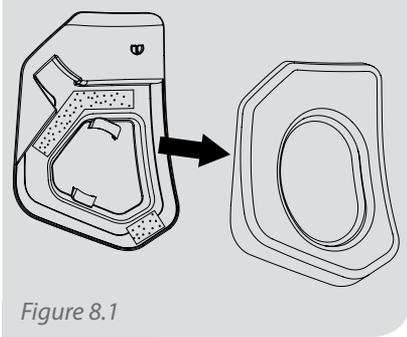


Figure 8.1

Remove the side pads from the covers that are attached with velcro.

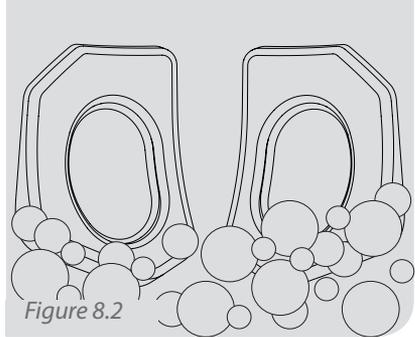


Figure 8.2

Wash the pads with mild detergent. Once dry, reattach them to the side pad covers.

BROW PAD REPLACEMENT AND CLEANING

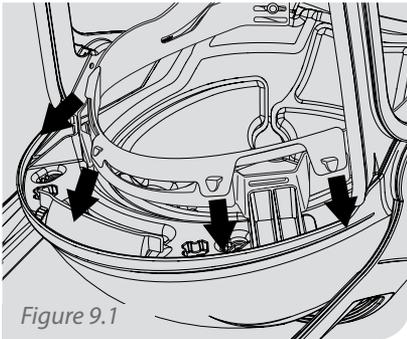


Figure 9.1

To remove the brow pad, stretch the brow pad over the hooks on the head harness and take it off. Clean it with mild detergent or replace it with a new one.

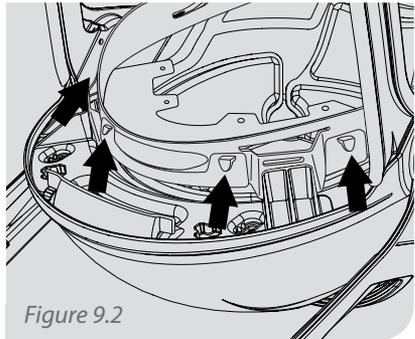


Figure 9.2

Replace the brow pad by placing the holes on one side over the hooks on the head harness and then wrap the pad over the top of the head harness. Stretch the pad around the bottom of the head harness and secure the holes over the hooks.

SETUP AND USE (CONTINUED)

FACE SEAL/CAPE INSTALLATION/REPLACEMENT

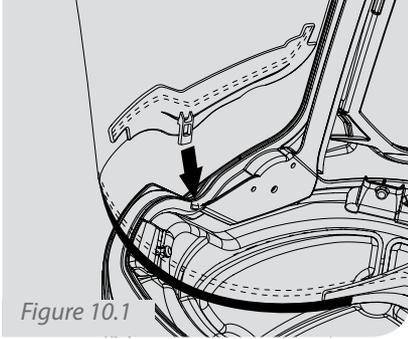


Figure 10.1

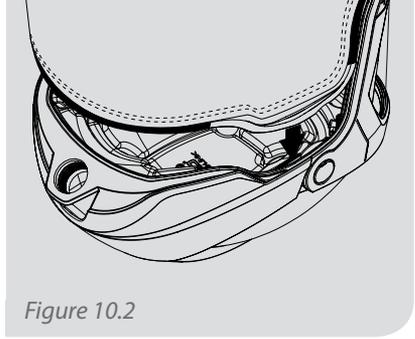


Figure 10.2

To install the cape or face seal, start by attaching the cape clips on the sides of the cape. Make sure the clip goes over the notch on the helmet and the clip edge goes into the track around the edge of the helmet.

Then press the rubber trim on the cape or face seal into the track that goes around the underside of the helmet, making sure the cape/face seal is completely attached all of the way around.

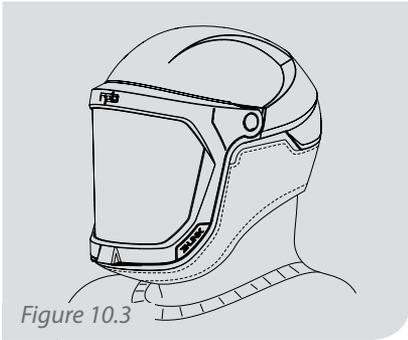


Figure 10.3

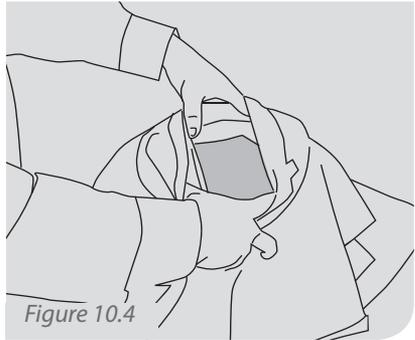
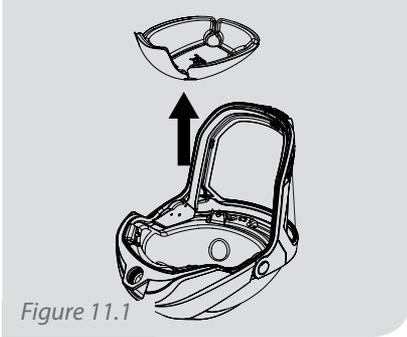


Figure 10.4

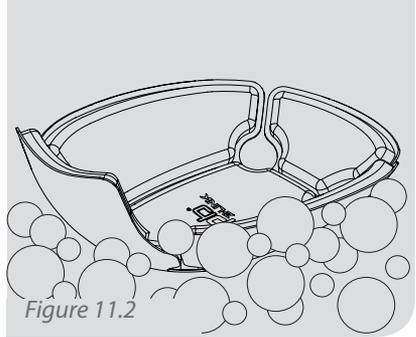
When using a face seal, make sure the elastic edge is under the users chin at the front and is in contact all of the way around the neck and back of the head.

When using a cape, adjust the elastic cord in the inner collar to ensure a snug fit around the user's neck and pull the fabric down all of the way around over the shoulders so that it isn't bunched up.

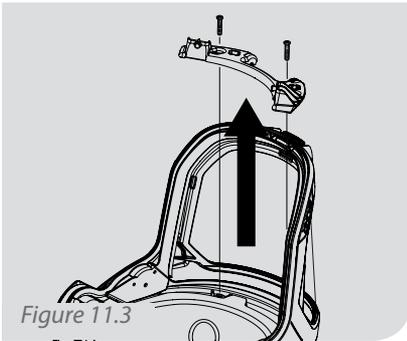
CLEANING THE Z-LINK AND THE COMFORT PADDING



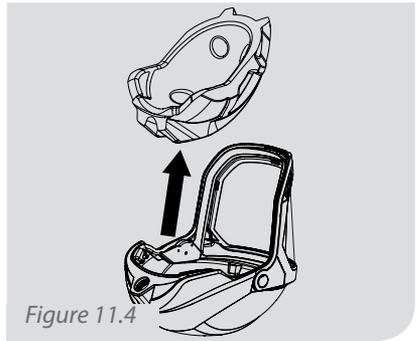
The comfort pad is attached to the inside of the Impact Liner with velcro. Pull the comfort pad out of the helmet.



The comfort pad can be washed with mild detergent or replaced.



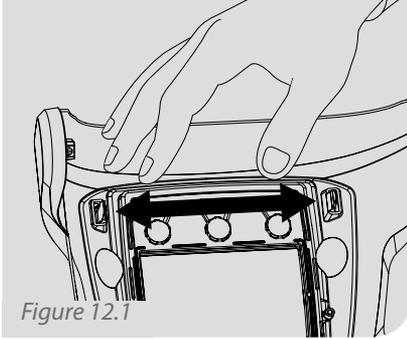
To remove the Impact Liner, remove the head harness bracket by removing the screws holding it in place.



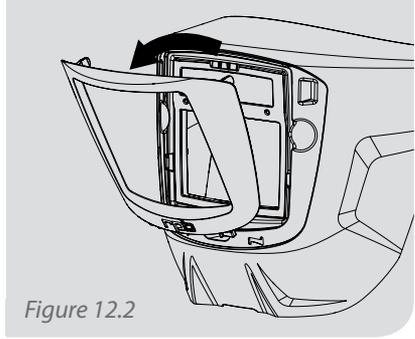
Rotate the Impact Liner out of the helmet shell. The inside of the shell can be wiped with mild liquid detergent or a cleaning wipe.

SETUP AND USE - WELDING CONFIGURATION

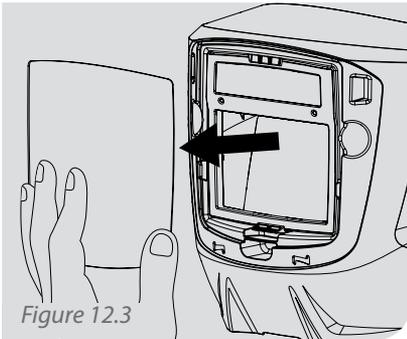
IMPACT LENS, ADF LENS AND REAR LENS REPLACEMENT



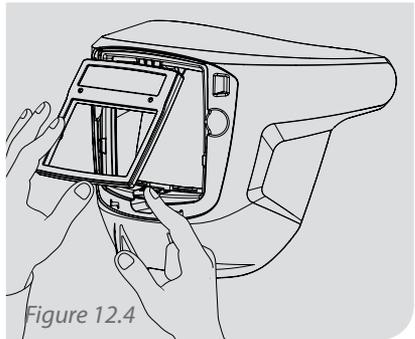
Push the tabs inside the weld visor apart to release the ADF Retainer.



Remove the green ADF Retainer.



Remove the Impact Lens by squeezing together the sides of the Impact Lens. If just replacing the Impact Lens, then place the new Impact Lens in and replace the green ADF Retainer.



To remove the ADF, push down on the tab at the bottom of the ADF to release it and pull the ADF out.

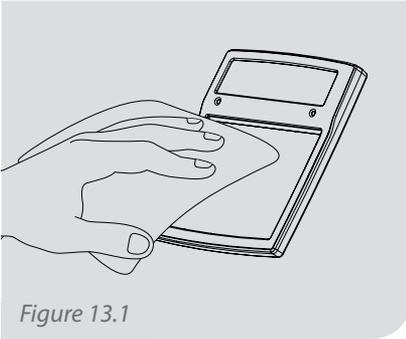


Figure 13.1

Once removed, the ADF can be cleaned with a soft tissue or a cloth soaked in mild detergent (or alcohol).

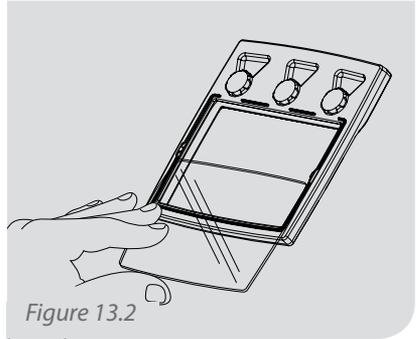


Figure 13.2

To replace the Rear ADF Lens, slide the lens out and replace it with a new one.

MAGNIFYING LENS

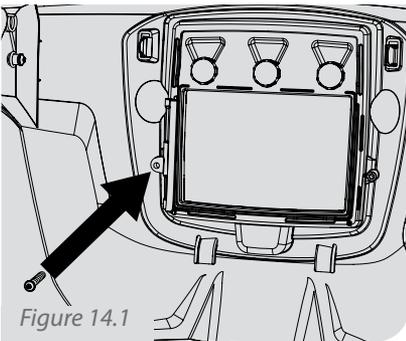


Figure 14.1

With the screws supplied, screw the left lens bracket into place by tightening the screws firmly without over tightening. Then screw in the right bracket.

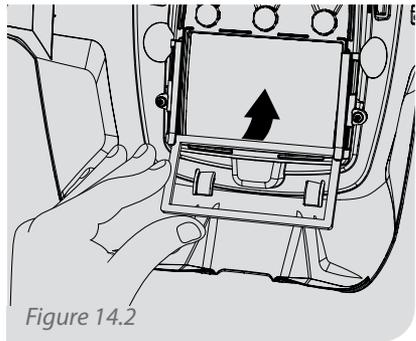
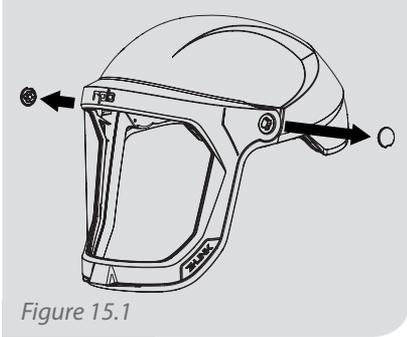


Figure 14.2

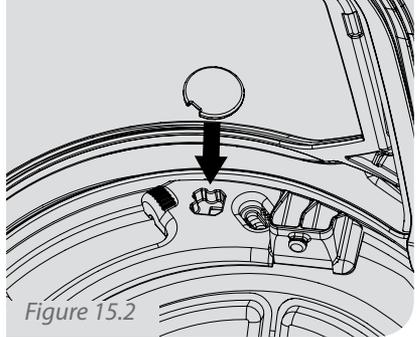
To install the magnifying lens for welding, slide the lens up into the brackets at an angle until it is securely in the brackets.

SETUP AND USE - WELDING (CONTINUED)

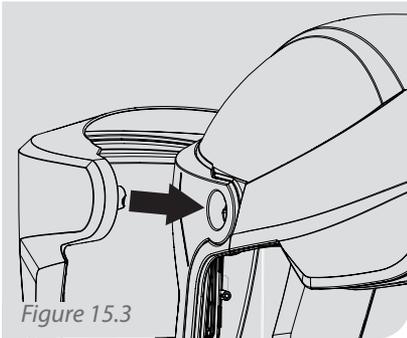
INSTALL/REMOVE WELDING VISOR



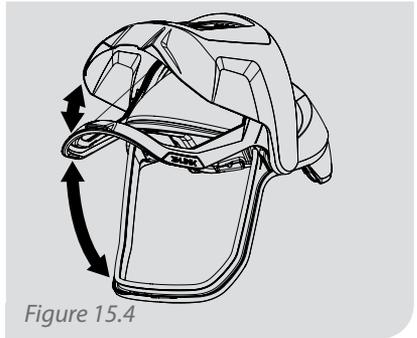
To install the Z-LINK Welding Visor, remove the pivot pin caps on the Z-LINK.



Insert the caps into the holding sockets on the Head Harness Bracket so they don't get lost while using the Welding Visor.



Line up the Welding Visor connection sockets with the Pivot Pins on the Z-LINK and insert them into the Z-LINK until they snap in securely. This can be done while wearing the Z-LINK.



The Welding Visor can be rotated up independently of the Visor or together with the Visor.

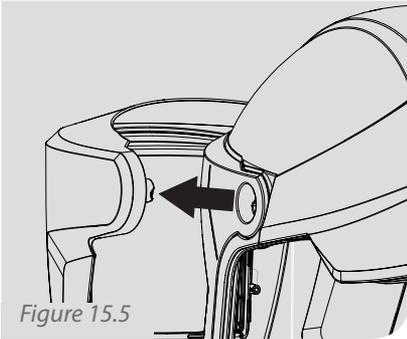


Figure 15.5

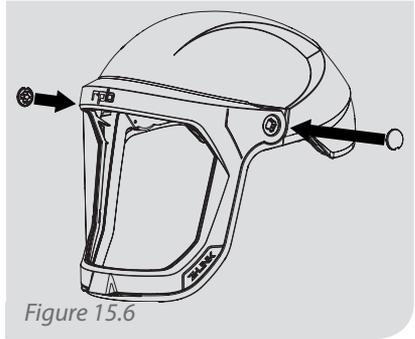


Figure 15.6

To remove the Welding Visor from the Z-LINK, pull the sides of the Welding Visor out until the connection sockets snap out of the Pivot Pins in the Z-LINK. This can also be done while wearing the Z-LINK.

If the Welding Visor is not going to be used again for a while, the socket caps can be snapped back into the Pivot Pins to keep the area free of debris.

STORAGE

Store in a cool dry place between -10° to +45°.

After cleaning:

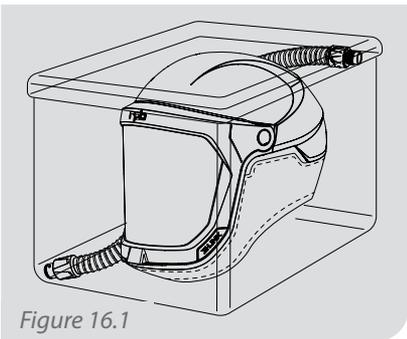


Figure 16.1

After use:

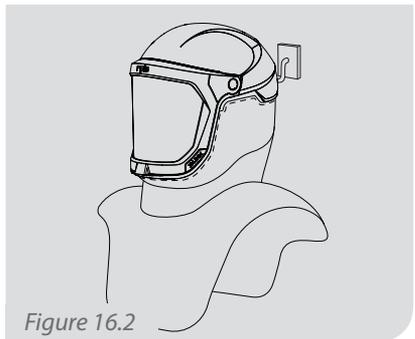


Figure 16.2

SETUP AND USE - WELDING (CONTINUED)

REPLACING THE WELDING VISOR FLIP-UP MECHANISM

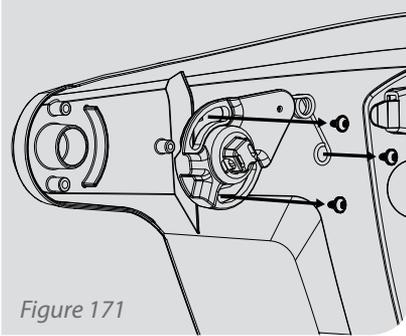


Figure 17.1

The flip-up mechanisms and springs can be replaced if needed. Using a small screw driver, remove the three screws that hold in the mechanism being careful to not strip the plastic they are threaded into.

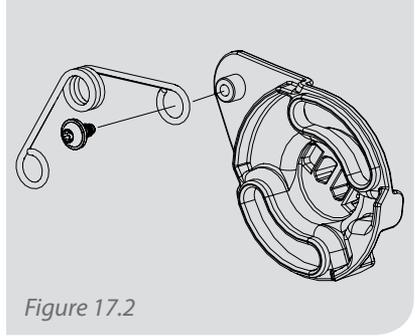


Figure 17.2

Position the spring onto the new flip up mechanism and secure it with the screw provided.

INSTALL/REPLACE WELDING CAPE

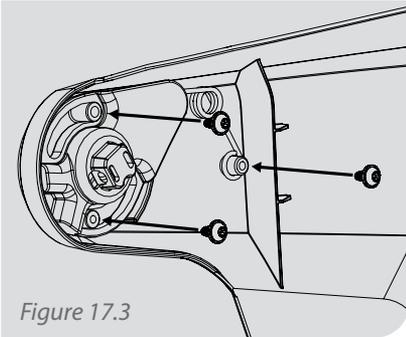


Figure 17.3

Carefully align the replacement spring and the flip-up mechanism onto the pegs in the Welding Visor. Insert and screw in the 3 replacement screws to attach the spring and mechanism without over tightening.

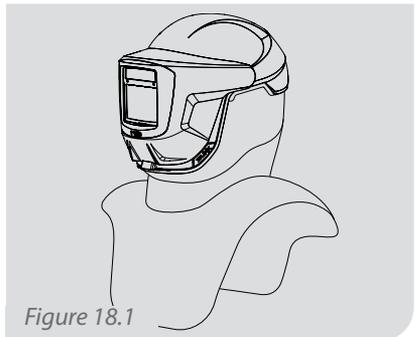


Figure 18.1

When welding, be sure to install a approved RPB® welding cape for adequate protection from sparks, debris, and light flashes. Follow the cape installation instructions on page 16.

DONNING YOUR HELMET

Once you have completed the set up, you are ready to fit your RPB® Z_LINK Respirator. Firstly check inside the helmet to ensure that it is free of dust, dirt or contaminants. Then open the bottom of the cape or face seal, with the air flowing from the air source, put the respirator onto your head. Pull the cape down or make sure the face seal is sealing around your face/neck, then tighten the head harness ratchet to fit. Make sure the visor is securely latched.

DOFFING YOUR HELMET

When you have finished working, leave the work area wearing the respirator with air flowing into the helmet. Once outside the contaminated area remove the respirator and power down the PAPR.

AUTODARKENING WELDING PROTECTION FILTER

OPERATION

RPB® autodarkening welding filters operate on the basis of a liquid crystal light shutter that protects the welder's eyes against intense visible light emitted during the welding process. In combination with the permanent passive IR/UV filter, it protects against hazardous infrared (IR) and ultraviolet (UV) light. The protection against harmful radiation is present regardless of the shade level or potential malfunction of the filter, beyond the darkest shade number marked on each specific model.

RPB® autodarkening welding filters are manufactured according to ANSI Z87.1, EN 379 requirements and are CE, DIN as well as DIN Plus certified. They are not intended to be used as a protection against impacts, flying particles, molten metals, corrosive liquids or hazardous gases.

Replace potentially malfunctioned or damaged autodarkening welding filters (check that the autodarkening filter turns dark if you strike the welding arc).

!WARNING!

Protection lenses, both internal and external, must be used in conjunction with the autodarkening filter in order to protect it against permanent damage.

USAGE

An autodarkening welding filter built into a Respirator is considered to be Personal Protection Equipment (PPE) protecting the eyes, face, ears and neck against direct and indirect hazardous light of the welding arc. In case that you have only bought a filter without the helmet, you need to select the appropriate helmet designed to be used in combination with an autodarkening welding protection filter. It has to allow the filter, including the internal and external protection screens, to be adequately mounted into the helmet. There should be no tension on the ADF Lens caused by the mounting frame or mounting system, as it could cause severe damage to the filter. Make sure that solar cells and photo-sensors are not covered by any part of the helmet, as this could prevent the proper operation of the filter. If any of these conditions occur, the filter may not be suitable for use.

FIELD OF APPLICATION

RPB® Auto darkening filters are suitable for all types of electro-welding: covered electrodes, MIG/MAG, TIG/WIG, plasma welding, cutting and laser welding, except for gas welding.

FUNCTIONS

RPB® filters are supplied ready for use. Check the degree of required protection for specific welding procedure and select the recommended shade, light sensitivity as well as opening time delay.

SHADE ADJUSTMENT

Our model enables shade adjustment range from 9 to 13. It can be adjusted by the knob »Shade« which is located on the filter.

ADJUSTMENT OF SENSITIVITY

Most welding applications can be performed with welding light sensitivity set to maximum. The maximum sensitivity level is appropriate for low welding current work, TIG, or special applications. The welding light sensitivity has to be reduced only in some specific surrounding lighting conditions in order to avoid unwanted triggering. As a simple rule for optimum performance, it is recommended to set sensitivity to the maximum at the beginning and then gradually reduce it, until the filter reacts only to the welding light flashes and without annoying spurious triggering due to ambient light conditions (direct sun, intensive artificial light, neighboring welder's arcs etc.)

OPENING TIME DELAY ADJUSTMENT:

The opening time delay can be adjusted from 0.1 to 1.0 seconds. It is recommended to use a shorter delay with spot welding applications and a longer delay with applications using higher currents and longer welding intervals. Longer delay can also be used for low current TIG welding in order to prevent the filter opening when the light path to the sensors is temporarily obstructed by a hand, torch, etc.

STORAGE

When not in use the Auto Darkening Filter should be stored in a dry place within the temperature range of -4°F (-20°C) to +149°F (65°C). Prolonged exposure to temperatures above 113°F (45°C) may decrease the battery lifetime of the autodarkening welding filter.

It is recommended to keep the solar cells of the autodarkening welding filter in the dark or not exposed to light during storage in order to maintain power down mode. This can be achieved by simply placing the filter face down on a storage shelf.

MAINTENANCE AND CLEANING

It is always necessary to keep the solar cells and the light sensors of the autodarkening welding filter free of dust and spatters: cleaning can be done with a soft tissue or a cloth soaked in mild detergent (or alcohol).

Never use aggressive solvents such as acetone. RPB® filters should always be protected from both sides by protection screens, which should also be only cleaned with a soft tissue or cloth. If protection screens are in any way damaged, they must be immediately replaced.

WARRANTY

The warranty period of RPB® Z-LINK ADF is three years. Failure to follow these instructions may invalidate the warranty. RPB® does not accept responsibility for any issues, which may arise from applications other than welding.

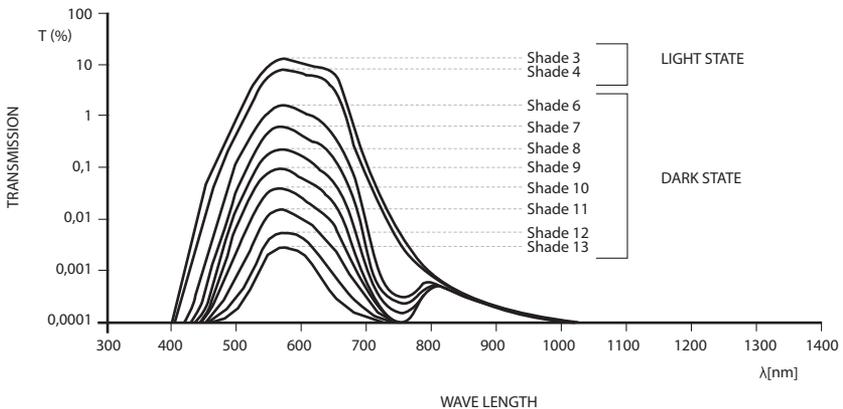
RECOMMENDED SHADE LEVELS FOR VARIOUS WELDING APPLICATIONS

Figure 19.1

Welding Process	CURRENT IN AMPERES																	
	6	10	15	30	40	60	70	100	125	150	175	200	225	250	300	250	400	
MMA	8				9			10		11			12			13		
MAG	8						9		10		11			12				
TIG	8			9			10		11			12			13	14		
MIG heavy metals	9								10		11			12		13		
MIG light metals Stainless, Al	10										11		12	13				
Plasma Cutting	9								10	11	12			13				
Micro plasma welding	4	5	6	7	8	9	10	11	12	13								

LIGHT TRANSMISSION CURVE

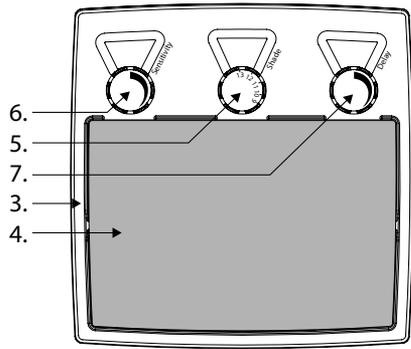
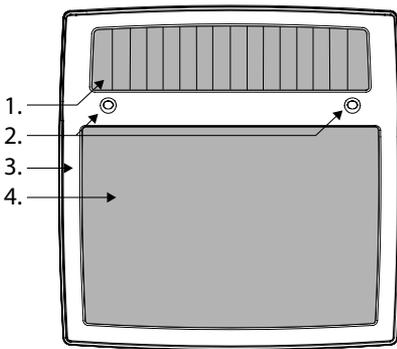
Figure 19.2



DESCRIPTION OF RPB® FILTER FEATURES

Figure 19.3

1. Solar Cells
2. Photo-sensors (Photo diodes)
3. Filter housing
4. Liquid crystal shutter viewing area
5. Shade adjustment
6. Sensitivity adjustment
7. Opening time delay adjustment



TECHNICAL DATA *Figure 19.4*

Model	Z-LINK ADF
Viewing Area	3.88 x 2.66 inches
Weight	4.4oz
Open state shade	4
Closed state shade	9-13
Shade adjustment	yes / internal
Sensitivity adjustment	yes / internal
Delay adjustment	yes / internal
Grinding Mode	no
Switching time at 23°C	0.15ms
Clearing time	0.1-1.0 s
UV / IR protection	UV16 / IR 16
Temperature range	14°F - 140°F
TIG detection	enhanced
Energy supplied	solar cells / no battery charge

COMMUNICATION SYSTEM INSTRUCTIONS

SET UP

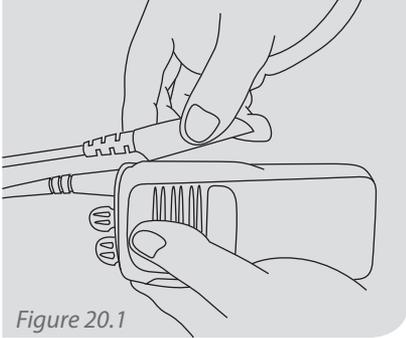


Figure 20.1

Connect the PTT Cable to the Hand Set depending on the type used.

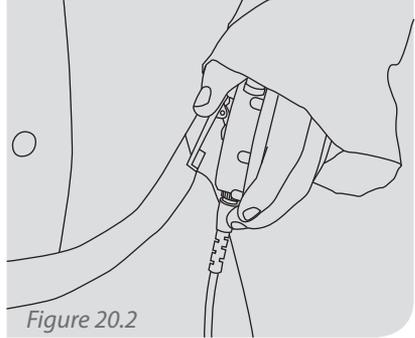


Figure 20.2

Attach the PTT to your belt so your elbow can activate the Button.

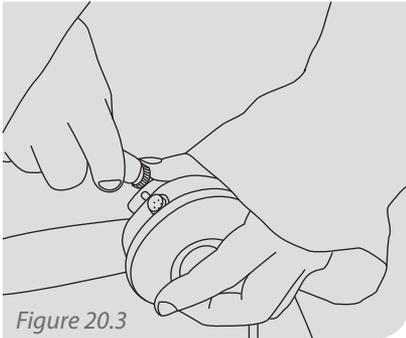


Figure 20.3

Connect the PTT cable to the head set cable and place the cable underneath the cape.

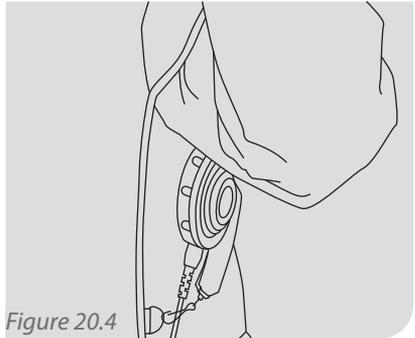


Figure 20.4

To operate the device, press your elbow onto the PTT Button, and then speak.

INSTALLATION

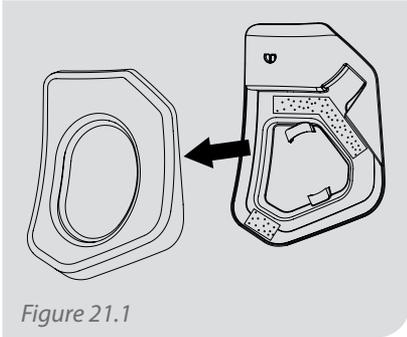


Figure 21.1

Remove the side pad from the cover that is attached with velcro on the side of the helmet that the Communication is to be installed. The Communication can be installed on either side of the helmet.

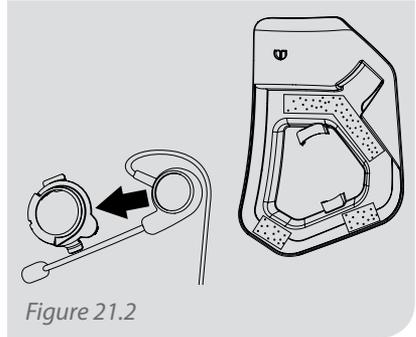


Figure 21.2

Place the Communication ear piece into the attachment clip. Then attach the Communication Clip into the slots on the inside of the cover.

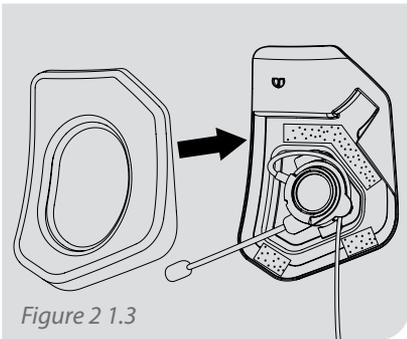


Figure 21.3

Attach the side pad back onto the cover over the Communication.

RADIO CONNECTORS COMPATIBILITY

09-930

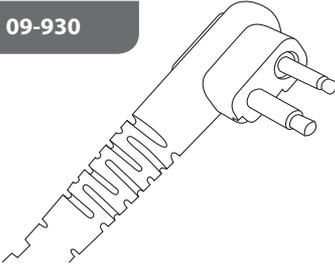


Figure 22.1

MOTOROLA

AXU4100, AXV5100, BPR40, CLS1110, CLS1410, CLS1413, CLS1450C, CLS1453C, CP100, CP150, CP185, CP200, CP88, CT125, CT150, CT250, CT450, CT450LS, DTR, DTR410, DTR550, DTR650, GP200, GP2000, GP300, GP308, GP68, GP88, GTI, GTX, LTS2000, P040, P080, P110, P1225, P1225LS, P200, P2000, PR400, RDK, RDU, RDU2020, RDU2080D, RDU4100, RDU4160D, RDV, RDV2020, RDV2080D, RDV5100, SP10, SP21, SP50, VL50, XTN, XTN446, XTN500, XTN600, XU1100, XU2100, XU2600, XV1100, XV2100, XV2600

RELM

RPV6500, RPV6500

09-931



Figure 22.2

HYT

TC-980

MOTOROLA

CBPRO, GP1280, GP140, GP320, GP328, GP329, GP338, GP339, GP340, GP360, GP380, GP640, GP650, GP680, GP960, HT1250, HT1250LS, HT1550, HT1550XLS, HT750, JT1000, MTX8250, MTX8250LS, MTX850, MTX850LS, MTX9250, MTX950, PR860, PRO5150, PRO5350, PRO5450, PRO5550, PRO5750, PRO7150, PRO7350, PRO7450, PRO7550, PRO7750, PRO9150, PTX700, PTX760, PTX780

09-932



Figure 22.3

MOTOROLA

Turbo

APX 7000, XPR6300, XPR6500, XPR6550, APX 7500, XPR6100, XPR6350, XPR6580

RADIO CONNECTORS COMPATIBILITY

09-933

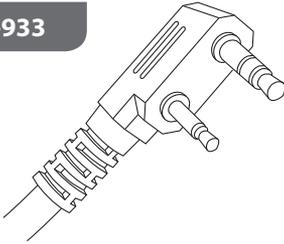


Figure 22.4

HYT

TC-268, TC-268S, TC-270, TC-368, TC-368S, TC-370

KENWOOD

TH-22AT, TH-235A, TH-28A, TH-42AT, TH-48A, TH-77A, TH-78A, TH-D7A(G), TH-F6, TH-F6A, TH-G71A, TH-K2AT, TK-208, TK-2100, TK-2102, TK-2130, TK-2160, TK-2170, TK-220, TK-2200, TK-2200LP, TK-2212L, TK-2302VK, TK-240, TK-240D, TK-248, TK-250, TK-260, TK-260D, TK-260G, TK-270, TK-270G, TK-272G, TK-308, TK-3100, TK-3101, TK-3102, TK-3130, TK-3131, TK-3160, TK-3170, TK-3173, TK-320, TK-3200, TK-3200LP, TK-3212L, TK-3230, TK-3230XLS, TK-3302UK, TK-340, TK-340D, TK-348, TK-350, TK-353, TK-360, TK-360G, TK-370, TK-370G, TK-372G, TK-373, TK-430, TK-431, TK-2312, TK-3312

RELM

RPU416, RPU4200, RPU499, RPV4200, RPV516, RPV599X

09-934

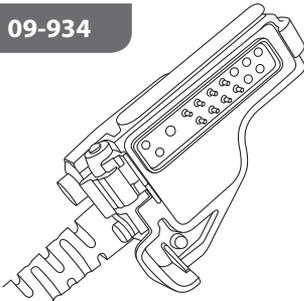


Figure 22.5

EF JOHNSON

51 SLES Series, 5100 Series, 511X, 512X, 514X, 518X, Ascend ES Series

MOTOROLA

GP900, GP9000, HT1000, MT1500, MT2000, MTS2000, MTX8000, MTX838, MTX900, MTX9000, MTX960, MTXLS, PRI500, X1500, XTS1500, XTS2000, XTS2500, XTS3000, XTS3500, XTS5000, GP1200

09-935

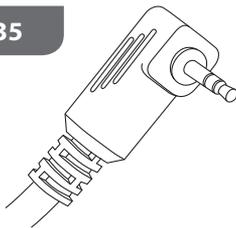


Figure 22.6

COBRA

CXR700, CXR800, CXR900, CXR920, CXT400, LI Series, LI3900, LI5600, LI6000, LI6500, LI6700, LI7000, LI7020, MRHH100, MRHH200, PR Series, PR190, PR240, PR245, PR3000, PR3100, PR3175, PR350, PR4000, PR4100, PR4250, PR4300, PR5000, PR560

HYT

TC-320

MOTOROLA

EM1000, FR50, FR60, FV300, FV300R, FV700R, FV750R, MH230R, MJ270R, MR350R, MR355R, SPIRITGT, SPIRITGT Plus, SX600R, SX900R, T270, T280, T289, T5100, T5200, T5300, T5320, T5400, T5410, T5420, T5500, T5600, T5620, T5700, T5710, T5720, T5800, T5820, T5920, T5950, T6200, T6210, T6220, T6250, T6300, T6320, T6400, T6500, T7200, T7400, T8500, T8550, T9500XLR, T9550XLR, T9580R, T9680R, T9750R, TalkAbout

rpb® Z-LINK

PARTS AND ACCESSORIES

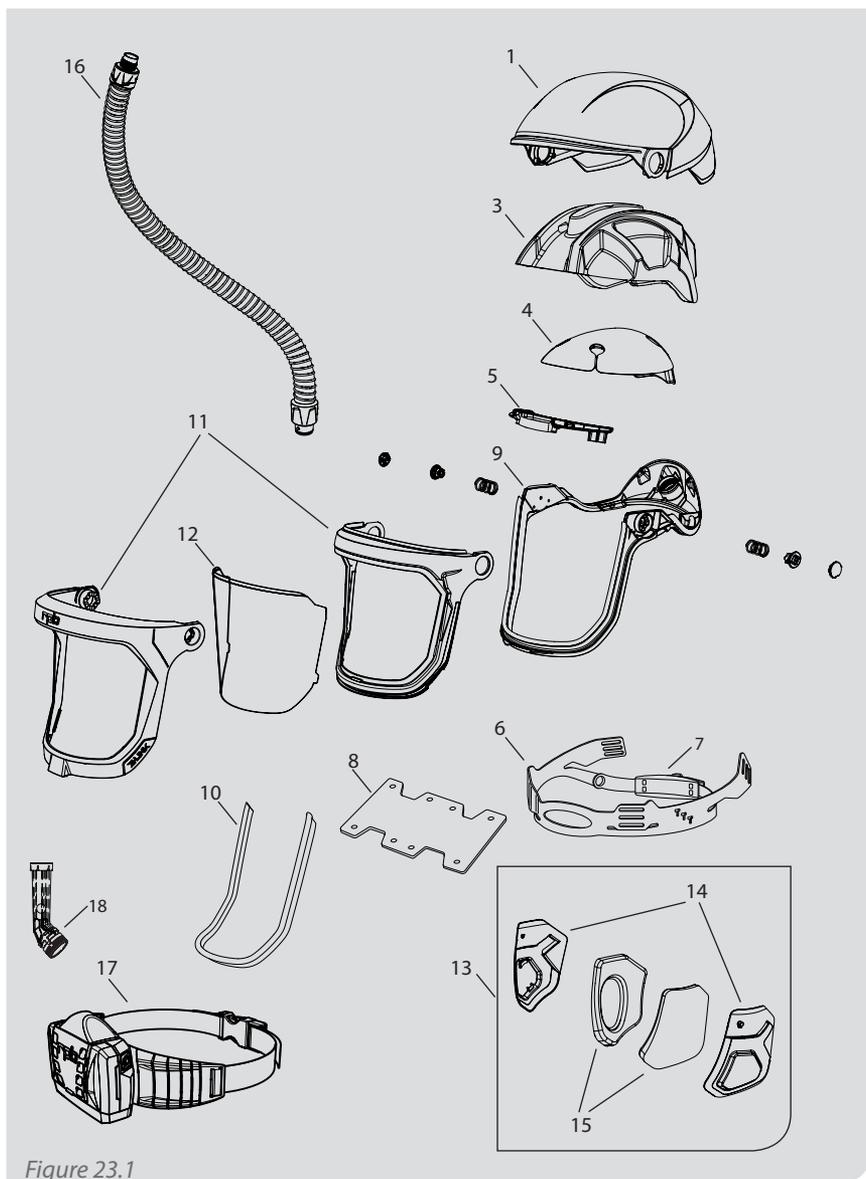
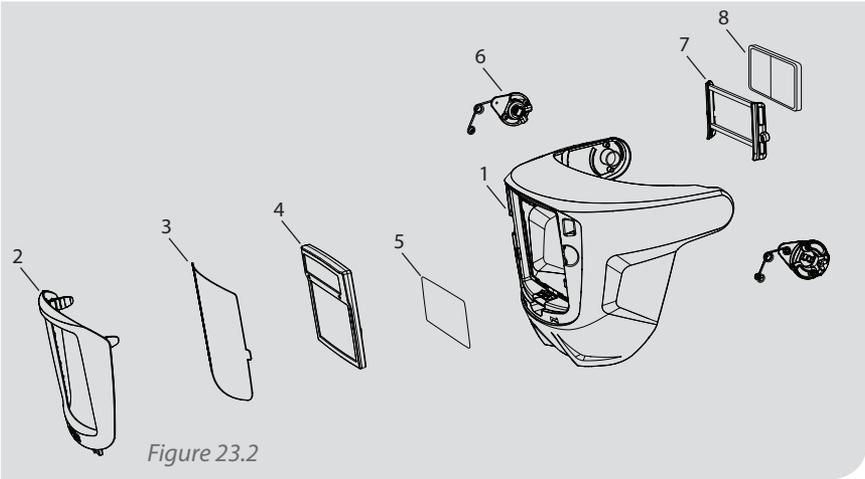


Figure 23.1

PARTS LIST

Item Number	Description	Part Number
1	Z-Link Helmet Shell	16-511
2	Z-Link Fit System (16-521, 522, 523, 524, 525)	16-520-T
3	Z-Link Impact Absorber	16-521
4	Z-Link Comfort Pad	16-522
5	Z-Link Head Harness Bracket and Air Director	16-525
6	Z-Link Head Harness	16-531
7	Ratchet Adjuster	16-530
8	Z-Link Head Harness Brow Pad	16-524
9	Z-Link Jaw with Lens Seal	16-514
10	Z-Link Lens Seal	16-515
11	Z-Link Visor	16-611
12	Z-Link Safety Lens	16-810
13	Z-Link Side Padding System	16-520-S
14	Side Padding Frames	16-526
15	Foam Side Pads	16-527
16	Z-Link Breathing Tube for PX4	04-835
17	PX4 AIR PAPR	03-901
18	PX4 Air Flow Tester	08-091

WELDING PARTS AND ACCESSORIES



Item Number	Description	Part Number
1	Z-Link Welding Visor	16-671
2	Z-Link Welding Lens Retainer	16-672
3	Z-Link Welding Impact Lens	16-872
4	Z-Link ADF Lens	16-871
5	Z-Link Rear ADF Lens	16-873
6	Z-Link Welding Visor Lift Up Mech and Springs	16-874
7	Z-Link Magnifying Lens Holder	16-875
8	Magnifying Lens 1.0 (107 x 51)	13-072-1
	Magnifying Lens 1.5 (107 x 51)	13-072-1.5
	Magnifying Lens 2.0 (107 x 51)	13-072-2
	Magnifying Lens 2.5 (107 x 51)	13-072-2.5
	Magnifying Lens 1.0 (107 x 34)	13-073-1
	Magnifying Lens 1.5 (107 x 34)	13-073-1.5
	Magnifying Lens 2.0 (107 x 34)	13-073-2
	Magnifying Lens 2.5 (107 x 34)	13-073-2.5

CAPES AND FACE SEALS

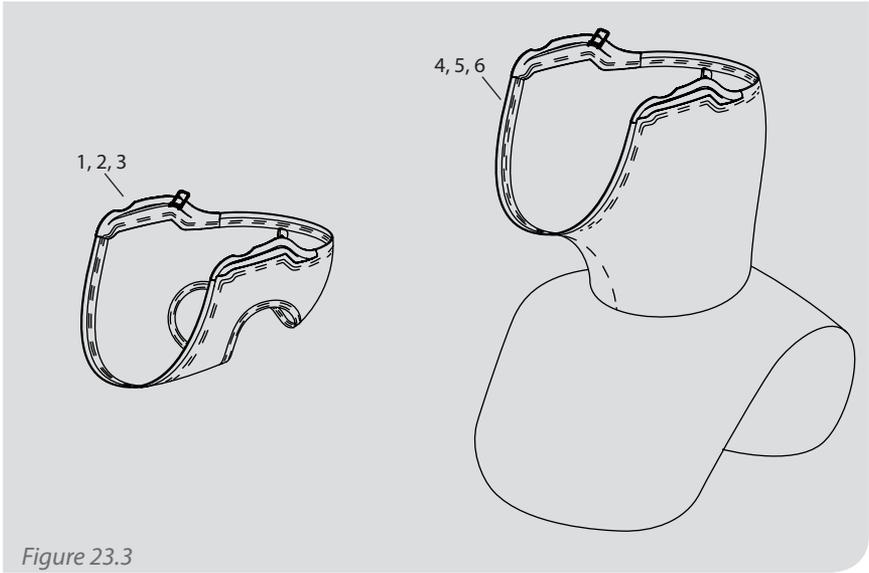


Figure 23.3

Item Number	Description	Part Number
1	Z-Link Zytech Face Seal	16-711
2	Z-Link Tychem QC Face Seal	16-712
3	Z-Link Tychem SL Face Seal	16-713
4	Z-Link Zytech Shoulder Cape	16-721
5	Z-Link Tychem QC Shoulder Cape	16-722
6	Z-Link Tychem SL Shoulder Cape	16-723

Z-TALK PARTS AND ACCESSORIES

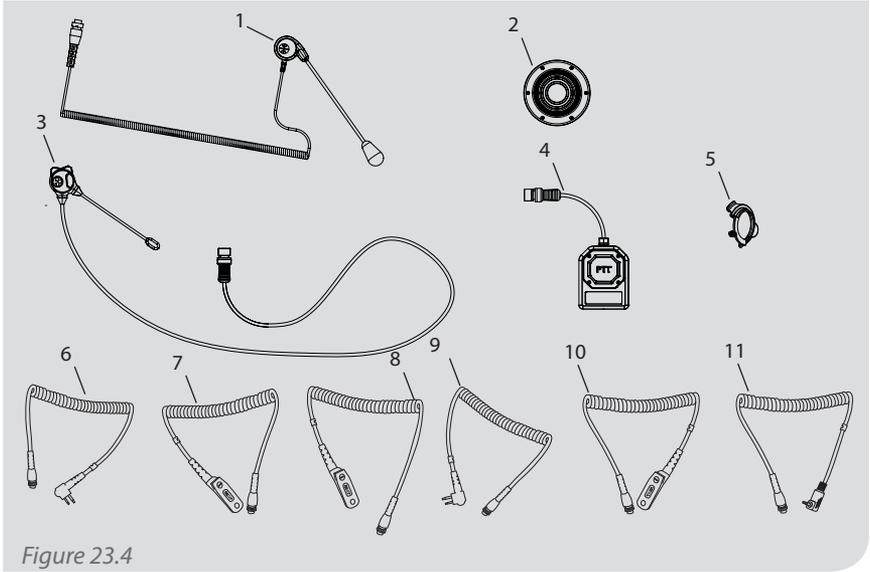


Figure 23.4

Item Number	Description	Part Number
1	Z-Link Communication System	16-922
2	PTT	09-913
3	Z-Link Communication System - Intrinsically Safe	16-921-IS
4	PTT Intrinsically Safe	09-813
5	Z-Link Communication Clip	16-529
6	Two Pin	09-930
7	Multi Pin	09-931
8	Multi Pin	09-932
9	Two Pin	09-933
10	Multi Pin	09-934
11	One Pin	09-935

Other Radio Connectors may be available.

OTHER PRODUCTS

RPB® NOVA 3® RESPIRATOR

The RPB® NOVA 3® combines breakthrough protection technology with advanced comfort and functionality, surpassing even the most rigorous industry standards and the demands of the most quality-conscious companies. Designed to optimize safety and productivity, and to minimize worker downtime, the helmet has a host of features that maximize its lifetime value.



POWERED AIR RESPIRATOR

Polluted air can be the cause of major health issues. How can you improve the quality of the air your employees are breathing? The RPB® PX4 AIR™ is a powered air purifier that is ergonomic and lightweight, designed to withstand harsh conditions. Powered with a lithium-polymer battery, making the unit incredibly efficient, operating for up to 8 hours on a single charge.



AIR QUALITY MONITORING

Do you need an intelligent gas monitor that can give you complete confidence in the air you and your employees are breathing? The RPB® GX4 has the ability to detect up to 4 gases simultaneously, giving you total peace of mind.



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