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› Jackson Safety WH10 HSL 2 Passive Welding Helmet User Manual

Jackson Safety WH10 HSL 2

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INTRODUCTION

This manual provides essential information for the proper use, setup, operation, and maintenance of your Jackson Safety WH10 HSL 2 Passive Welding Helmet. Please read this manual thoroughly before using the helmet to ensure safety and optimal performance.

The Jackson Safety WH10 HSL 2 is a robust, black passive welding helmet designed for welders. Its narrow shell is suitable for use in confined spaces, and the extended front provides enhanced throat protection against sparks, slag, and other welding hazards. This helmet is also compatible with the 187-S (15968) hard hat adapter for increased versatility.

SAFETY INFORMATION

WARNING: Welding and cutting processes can cause serious injury or death. Always follow all applicable safety precautions and guidelines.

- Always wear appropriate personal protective equipment (PPE) in addition to this welding helmet, including safety glasses, gloves, and protective clothing.
- Ensure the passive lens is correctly installed and free from damage before each use.
- Never use a damaged or modified welding helmet.
- Do not use this helmet for laser welding or cutting.
- Protect the helmet from extreme temperatures and harsh chemicals.
- Consult local safety regulations and standards for specific requirements in your work environment.

PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package:

- Jackson Safety WH10 HSL 2 Passive Welding Helmet (Shell)
- Installed Headgear Assembly
- Passive Welding Lens (Fixed Shade)
- Clear Cover Lenses (Inner and Outer)

SETUP

1. Headgear Adjustment

The helmet's headgear is designed for a secure and comfortable fit. Proper adjustment is crucial for stability and protection.

1. **Size Adjustment:** Rotate the knob at the back of the headgear to adjust the circumference. Turn clockwise to tighten, counter-clockwise to loosen. Adjust until the helmet fits snugly without being too tight.
2. **Top Strap Adjustment:** Adjust the top strap to position the helmet correctly on your head. The helmet should sit low enough to protect your face and neck, with the viewing area aligned with your eyes.
3. **Tilt Adjustment:** Some headgears allow for tilt adjustment. Locate any pins or mechanisms on the sides of the headgear that control the helmet's forward or backward tilt. Adjust to your preferred viewing angle.
4. **Distance from Face:** Adjust the pins on the side of the helmet to control the distance between the helmet shell and your face. This ensures adequate airflow and space for corrective eyewear if needed.



Image: Interior view of the Jackson Safety WH10 HSL 2 Passive Welding Helmet, highlighting the adjustable headgear and passive lens assembly.

2. Lens Inspection and Installation

Before each use, inspect the passive welding lens and cover lenses for any scratches, cracks, or damage. Replace any damaged lenses immediately.

- The helmet comes with a fixed-shade passive welding lens. Ensure it is securely seated in its frame.
- Outer clear cover lenses protect the welding lens from spatter and scratches. Inner clear cover lenses protect the user from potential lens breakage. Ensure both are clean and properly installed.
- To replace cover lenses, carefully unclip or slide out the retaining frame, replace the lens, and secure the frame.

1. Wearing the Helmet

Once the headgear is adjusted, place the helmet on your head. The helmet should feel balanced and stable. Ensure the passive lens is in the down position before striking an arc.

2. Viewing Through the Passive Lens

The WH10 HSL 2 uses a fixed-shade passive lens. This means the shade level is constant and does not automatically darken. Always ensure the selected shade is appropriate for your welding process and amperage. Consult welding safety standards for recommended shade levels.

3. Flip-Up Mechanism

This helmet features a flip-up front, allowing you to lift the welding lens assembly without removing the entire helmet. This is useful for inspection, grinding, or general tasks where eye protection is still required but a clear view is needed.

- To flip up the lens: Grasp the handle on the front of the lens assembly and lift it upwards until it locks into the open position.
- To flip down the lens: Gently push the lens assembly downwards until it clicks into the closed position, ensuring the passive lens is directly in front of your eyes.



Image: Exterior view of the Jackson Safety WH10 HSL 2 Passive Welding Helmet, illustrating the flip-up lens feature.

MAINTENANCE

1. Cleaning the Helmet

- Clean the helmet shell with a mild soap and water solution. Avoid harsh abrasives or solvents.
- Clean lenses with a soft, clean cloth and a specialized lens cleaning solution or mild soap and water. Do not use abrasive materials that could scratch the lens surface.
- Regularly clean the headgear padding to prevent skin irritation.

2. Lens Replacement

Replace cover lenses and the passive welding lens as needed. Scratched, pitted, or damaged lenses reduce visibility and protection.

- Always use genuine Jackson Safety replacement parts to ensure compatibility and safety.
- Refer to the helmet's internal markings or product documentation for correct lens dimensions and shade levels.

3. Inspection

Periodically inspect all helmet components for wear and tear:

- Check the helmet shell for cracks or damage.
- Inspect the headgear for broken straps, worn padding, or malfunctioning adjustment mechanisms.
- Ensure the flip-up mechanism operates smoothly and locks securely in both positions.

TROUBLESHOOTING

- **Poor Visibility:** Ensure lenses are clean and free from scratches. Verify that the correct shade lens is installed for the welding process.
- **Helmet Discomfort:** Re-adjust the headgear for a better fit. Ensure the top strap and circumference are correctly set. Replace worn headgear padding if necessary.
- **Helmet Instability:** Tighten the headgear adjustment knob. Check that all headgear components are securely fastened.

SPECIFICATIONS

Brand	Jackson Safety
Model Name	WH10 HSL 2 (W10 SERIES Passive Welding Helmets)
Part Number	24886135885
ASIN	B00IR6FF68
UPC	024886135885
Material	Metal, Plastic
Color	Black
Closure Type	Pull-On
Suggested Users	Adults
Item Dimensions (LxWxH)	14.5 x 9.4 x 8.6 inches
Package Weight	0.94 Kilograms

WARRANTY INFORMATION

For specific warranty details regarding your Jackson Safety WH10 HSL 2 Passive Welding Helmet, please refer to the warranty card included with your product or visit the official Jackson Safety website. Warranty terms and conditions may vary by region and product.

SUPPORT

If you require further assistance, have questions about your product, or need to order replacement parts, please contact Jackson Safety customer support through their official website or the contact information provided in your product packaging.

You can also visit the [Jackson Safety Store on Amazon](#) for additional product information and resources.

