

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

18d

FIXED SHADE 10 WELDING HELMET



Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

64527






When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein.
Tools required for assembly and service may not be included.

⚠ WARNING

Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.

WARNING SYMBOLS AND DEFINITIONS



	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

When using helmet, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Read all instructions before using this helmet!

⚠ WARNING	
	
INHALATION HAZARD: Welding and Plasma Cutting Produce TOXIC FUMES.	
<p>Exposure to welding or cutting exhaust fumes can increase the risk of developing certain cancers, such as cancer of the larynx and lung cancer. Also, some diseases that may be linked to exposure to welding or plasma cutting exhaust fumes are:</p> <ul style="list-style-type: none">• Early onset of Parkinson's Disease• Heart disease• Damage to the reproductive organs• Inflammation of the small intestine or stomach• Respiratory diseases such as emphysema, bronchitis, or pneumonia• Ulcers• Kidney damage <p>Use natural or forced air ventilation and wear a respirator approved by NIOSH to protect against the fumes produced to reduce the risk of developing the above illnesses.</p>	

1. **Do not use the Welding Helmet if the lens is cracked, dirty, or if the lens or front retaining frame is loose.**
2. **Keep work area clean.** Cluttered areas invite injuries.
3. **Observe work area conditions.** Do not use welding helmets in damp or wet locations. Do not expose to rain. Keep work area well lit.
4. **Keep children away.** Children must never be allowed in the work area. Do not let them handle this helmet. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.
5. **Store idle equipment.** When not in use, helmets must be stored in a dry location to inhibit rust. Always lock up helmets and keep out of reach of children.
6. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective gear is essential to protect against welding rays, some examples are: a leather welding apron, welding sleeves, jeans without cuffs, work boots. Wear restrictive hair covering to contain long hair.
7. **Use eye and ear protection.** When welding, wear ANSI-approved impact safety goggles under the Welding Helmet. Wear a NIOSH-approved respirator and hearing protection when welding.
8. **Stay alert.** Watch what you are doing, use common sense. Do not weld when you are tired.
9. **Check for damaged parts.** Before using any helmet, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the helmet if any switch does not operate properly.
10. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts can render helmet ineffective, possibly causing eye damage, and will void the warranty. Only use accessories intended for use with this helmet. Approved accessories are available from Harbor Freight Tools.
11. **Do not weld if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not weld.
12. **Maintenance.** For your safety, service and maintenance should be performed regularly only by a qualified technician.

13. **This helmet provides protection for intended purposes only.** There are certain applications for which this helmet was designed. Do not modify this helmet and do not use this helmet for a purpose for which it was not intended:
 - a. **The Welding Helmet** is not suitable for laser welding or Oxyacetylene Welding/Cutting processes.
 - b. **The Welding Helmet** will not protect against severe impact hazards.
 - c. **The Welding Helmet** does not protect against explosive devices or corrosive liquids.
14. Maintain the helmet and lens correctly to help ensure reliable protection:
 - a. Clean filter's surfaces regularly. Keep lens clean using a clean lint-free tissue/cloth. Do not use any solvents on lens or helmet components. Protect lens from liquid and dirt contact. Do not immerse the lens in water.
- b. Regularly replace the Front Lens Cover if it becomes cracked, scratched, pitted, or otherwise damaged.
- c. Do not make any modifications to the helmet, other than those specified in this manual. Do not use any replacement parts other than those specified in this manual. Unauthorized modifications and replacement parts will void the warranty and expose the user to the risk of personal injury.
15. Do not place the Welding Helmet on a hot surface.
16. **SEVERE PERSONAL INJURY and/or BLINDNESS may occur if the user fails to follow the aforementioned warnings and/or fails to follow the operation instructions.**
17. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.



SAVE THESE INSTRUCTIONS.

Specifications

Shade	#10
UV/IR Protection	Up to 14
Lens Type	ANSI Z87.1 approved
Viewing Area	4.25" x 5"
Welding Protection Types	For Arc Welding Processes. Not suitable for "overhead" welding, laser welding/cutting or Oxyacetylene welding/cutting.

Operating Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

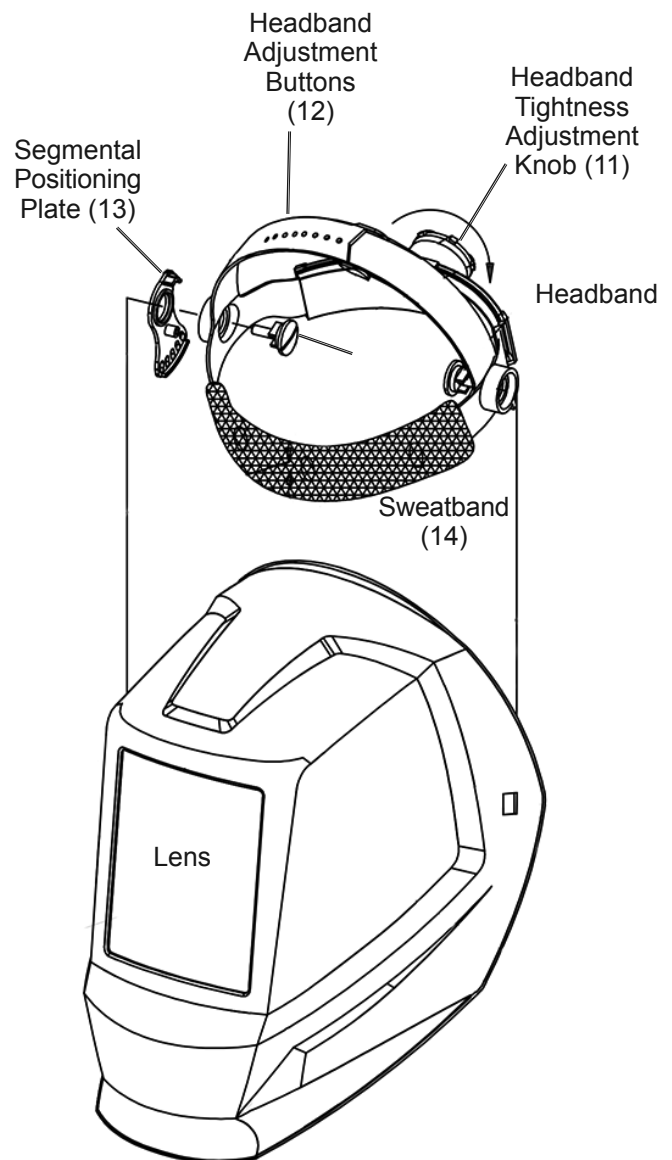
Before Welding

1. Check that the inside and outside of the lens is clean.
2. Remove any protective film from the inside or outside of the lens.
3. Before use, inspect all operating parts for signs of wear or damage.
4. A lens that is scratched, cracked, or pitted should be replaced immediately.
5. A helmet that is cracked should be replaced immediately,
6. To avoid personal injury, do not use the Welding Helmet until repairs are made.

Headband Adjustment

Adjust the Welding Helmet's work position and viewing angles that work best for you. The Welding Helmet should be seated securely on your head as low as possible and close to your face. The front lens should be aligned with your eyes.

1. Select the viewing horizontal level by adjusting the Headband buttons (12).
2. Select viewing angle by adjusting the Segmental positioning plate (13).
3. Adjust the Headband tightness by pushing and turning the Headband adjustment knob (11). The Welding Helmet should fit snug on your head.



Maintenance



Procedures not specifically explained in this manual must be performed only by a qualified technician.

!WARNING

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE: Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Lens and Helmet Maintenance

1. Clean the Lens with a clean soft cloth moistened with mild soap or pure alcohol. Wipe the inside and outside of the helmet.
2. Allow the headband to dry between use.
3. Do not immerse the Welding Helmet or passive lens in water.
4. Do not use solvents on the passive lens or helmet components.

Troubleshooting

Problem	Possible Causes	Probable Solutions
Poor vision.	1. Front/Inside Lens Cover is dirty. 2. Insufficient ambient light.	1. Clean lens with a clean soft cloth moistened with mild soap. 2. Add light to work area.
Welding Helmet slips.	Headband is not adjusted properly.	Readjust the headband adjustment knob for a tighter fit.
Inside of the helmet smells bad.	Inside of the helmet needs cleaning.	Clean the inside of the helmet with a clean cloth moistened with mild soap or pure alcohol. Sweatband may need to be replaced.

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

Parts List and Diagram

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Part	Description	Qty
1	Shell	1
2	Block Nut	2
3	Outside Protection Lens	1
4	Cradle	1
5	Lens	1
6	Inside Protection Lens	1
7	Lens Frame Screw	1
8	Lens Frame	1

Part	Description	Qty
9	Inside Protection Bolt	2
10	Headband Screw	2
11	Headband Adjustment Knob	1
12	Headband Adjustment Button	1
13	Segmental Positioning Plate	1
14	Sweat Band	1
15	Pivot Pin	1

