Eastwood DO THE JOB RIGHT.

Item #20189

EXTRA LARGE VIEW WELDING HELMET

INSTRUCTIONS

The Eastwood Extra Large View Welding Helmet is specifically designed to provide maximum eye and face protection from harmful UV and IR radiation emitted when welding, in a lightweight, comfortable housing. Auto-Darkening powered by solar cells and lithium-ion battery provide long, reliable life. Meets ANSI Z-87.1 safety standards.

SAFETY INFORMATION

READ INSTRUCTIONS!

Thoroughly read and understand this instruction manual before use. Save manual for future reference to safety warnings, maintenance and operating procedures Failure to follow all warnings can result in tool damage or serious physical injury.

OPERATIONAL HAZARDS!

- Welding helmets are designed to protect the user's eyes and face from harmful radiation, sparks and splatter under normal welding conditions. They are not intended to offer protection against impact hazards, explosions or corrosive liquids. Wear appropriate eye protection under helmet to provide impact protection.
- Always test auto-darkening feature before each use by quickly subjecting the face of the welding helmet to sunlight, the sparks from a flint torch igniter, or other bright light source. If the auto-darkening feature fails to function discontinue use immediately and have the helmet checked by a qualified technician.
- Indirect arc flash or the flash from low current TIG welding may not trigger the auto darkening feature. This could expose the user to harmful radiation. Discontinue use if the auto-darkening feature does not function in your specific application.
- The operating temperature range of the auto-darkening feature is 23F to 130F (-5C to 55C). The response time may be affected beyond the described temperatures causing an unsafe condition. Do not use beyond the recommended operating temperature range.
- Keep the helmet lens clean to ensure proper operation. Clean according to instructions contained in this manual. Do not immerse the lens in water.
- Do not place the helmet lens on a hot surface.
- Do not modify the helmet or use it for unintended purposes.

Failure to follow the aforementioned warnings and operating instructions can result in permanent eye damage or blindness.

AMPS

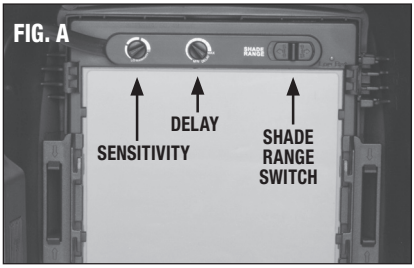
TYPE OF WELDING	20 AMP	40 AMP	80 AMP	100 AMP	125 AMP	150 AMP	175 AMP	200 AMP
MIG	9	10	11	11	11	11	12	13
TIG	10	11	11	11	12	13	13	13
STICK	9	10	11	11	11	11	12	13
FLUX CORE	–	–	10	11	11	12	13	13

WELDING HELMET SHADE SETTING CHART

OPERATION

1. Remove the protective film from the inside and outside surfaces of the lens.

2. Under normal (non-welding), ambient light, your view through the lens will have a green tint. When exposed to bright light or the flash of the welding arc, the lens will quickly darken your view.



The Sensitivity and Delay Dials are located at the inside, top of the Lens Assembly **(Fig A)** and are adjustable as follows:

Sensitivity: Controls the Auto-darkening response when exposed to smaller arcs such as low-amperage TIG welding and conditions like welding outside in bright sunlight.

To set: Turn dial Clockwise to increase sensitivity for low amperage welding. Turn Counter-Clockwise when welding in bright sunlight.

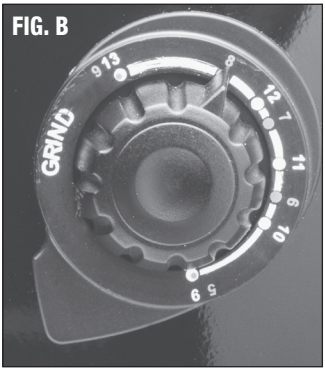
Delay: Delay controls the time interval for the Auto-darkening to return to normal view once arc is stopped.

To set: Turn dial Clockwise to delay helmet screen from returning to normal view after arc is stopped. Turn dial Counter-Clockwise to quicken the helmet screen's return time to normal view.

Shade: The Shade setting dial is located on the upper left side of the Welding Helmet **(Fig B)**. Shade is used to control the level of darkness as Auto-darkening is activated when an arc is present. This helmet also has a Grind setting which turns off the Auto-Shade feature and keeps the viewer on full transparency.

PRODUCT SPECIFICATIONS	
Light Shade	4
Dark Shade	5-9 / 9-13
Switching Time	<0.04mS
Viewing Area	3.94" x 3.66"
Delay Time	0.15 - 0.8 sec.
Arc Sensors	4
TIG Amp Rating	>2A
Power Supply	Li-Mn & Solar
Weight	1.09 lbs
Operating Temp	23 - 131°F

- **To Set Shade Control on "Grind":** Turn dial full Counter-Clockwise and past the detent which will lock the viewer on full transparency. **WARNING: Never attempt to weld with the Shade Control set to "Grind".**
- **To Adjust Shade Level:** Choose shade range (5 to 9 or 9 to 13) by setting shade range switch on the inside upper right of the lens assembly. Turn dial Counter Clockwise to increase darkening level, turn Clockwise to decrease. The Shade Level range is from 5 to 9 or 9 to 13. (**See chart to the left)** If unsure, set dial to 13, try viewing with an arc then decrease as necessary until arc is viewable with Auto-darkening.



ADJUST FIT:

To adjust the fit of the helmet:

- **Headband** – Push Knob in and Turn Clockwise for decreasing size (tighten) or rotate Counter-Clockwise to increase size (loosen).
- **Width/Height** – Push in small button on the overhead band, slide band in to shorten band or pull out to lengthen band. Snap button into the nearest of 5 available holes.
- **Flip-up Retention** – This will allow the helmet to stay in the "flipped-up" position. Tighten or loosen knobs on either side of the helmet to increase or decrease friction.

MAINTENANCE:

- Clean outside and inside of lens with a soft cloth and small amount of glass cleaner.
  Note: Do not use excessive glass cleaner or allow the lens assembly to become wet or the sensitive electronics will be destroyed. Never use solvents.
- Clean headband with a cloth dampened with mild soap and water. Allow to dry thoroughly.
- Check lens assembly for damage before each use. If cracked or broken, DO NOT USE.

TROUBLESHOOTING

- **Auto-Dimming does not function, (will not darken):**
  - Dirt may be blocking sensors located at upper, outer corners of the lens assembly
    Clean lens assembly
  - Batteries may be low
    Expose the solar cells to light source to recharge
  - Dirt may be blocking solar cells at top of lens assembly
    Clean lens assembly
- **Slow response for darkening:**
  - Operating temperature too low
    Do not use below 23°F (-5°C)
- **Poor vision through lens:**
  - Dirt or excessive pitting may be blocking view
    Clean lens assembly
- **Helmet slips during use:**
  - Helmet fit not adjusted properly
    Follow fit adjustment steps in instructions

If you have any questions about the use of this product, please contact
The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: techelp@eastwood.com
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 Instruction part #20189Q Rev. 6/14