2020-07



Digital Elite And Digital Performance Series

Auto-Darkening Helmets



OWNER'S MANUAL

TABLE OF CONTENTS

SECTION	1 - SAFETY PRECAUTIONS - READ BEFORE USING	1
1_1	Symbol Usage	1
1-2	Arc Welding Hazards	1
1-3	California Proposition 65 Warnings	3
1-4	Lens Shade Selection Table	3
1-5	Principal Safety Standards.	4
SECTION	2 – DEFINITIONS	5
2-1	Additional Safety Symbol Definitions	5
2-2	Miscellaneous Symbols And Definitions	5
SECTION	3 – SPECIFICATIONS	6
SECTION	4 – OPERATING INSTRUCTIONS	7
4-1	Helmet Controls	7
4-2	Auto On/Off Button And Grind/Low Battery Light	8
4-3	Mode Control	9
4-4	Variable Shade Control	0
4-5	Lens Delay Control 1	1
4-6	Sensitivity Control 1	2
4-7	Typical Lens Adjustment Procedure 1	3
SECTION	5 – ADJUSTING HEADGEAR 1	4
5-1	Adjusting Headgear 1	4
SECTION	6 - REPLACING LENS COVERS 1	5
6-1	Replacing Outside Lens Covers On Digital Elite And Performance Quick-Release	5
6-2	Replacing Inside Lens Cover — Digital Performance Series Helmets	6
6-3	Replacing The Lens Covers On Digital Elite Standard Helmets	7
SECTION	7 - REPLACING THE BATTERY 1	8
7-1	Replacing The Batteries	8
SECTION	8 – INSTALLING OPTIONAL MAGNIFYING LENS 1	9
8-1	Installing Optional Magnifying Lens 1	9
SECTION	9 – MAINTENANCE AND STORAGE 2	0
SECTION	10 – TROUBLESHOOTING	1
10-1	Troubleshooting	1
SECTION	11 – PARTS LIST	2
SECTION	12 – LIMITED WARRANTY	8

SECTION 1 – SAFETY PRECAUTIONS – READ BEFORE USING



Protect yourself and others from injury—read, follow, and save these important safety precautions and operating instructions.

1-1. Symbol Usage



DANGER! – Indicates a hazardous situation which, if not avoided, will result in death or serious injury. The possible hazards are shown in the adjoining symbols or explained in the text.



Indicates a hazardous situation which, if not avoided, could result in death or serious injury. The possible hazards are shown in the adjoining symbols or explained in the text.

NOTICE – Indicates statements not related to personal injury.

@ Indicates special instructions.



This group of symbols means Warning! Watch Out! ELECTRIC SHOCK, MOVING PARTS, and HOT PARTS hazards. Consult symbols and related instructions below for necessary actions to avoid these hazards.

1-2. Arc Welding Hazards

The symbols shown below are used throughout this manual to call attention to and identify possible hazards. When you see the symbol, watch out, and follow the related instructions to avoid the hazard. The safety information given below is only a summary of the more complete safety information found in the Principal Safety Standards listed in Section 1-5. Read and follow all Safety Standards.



Only qualified persons should install, operate, maintain, and repair this equipment. A qualified person is defined as one who, by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training and experience, has successfully demonstrated the ability to solve or resolve problems relating to the subject matter, the work, or the project and has received safety training to recognize and avoid the hazards involved.

During operation, keep everybody, especially children, away.



ARC RAYS can burn eyes and skin.

Arc rays from the welding process produce intense visible and invisible (ultraviolet and infrared) rays that can burn eyes and skin. Sparks fly off from the weld.

• Wear a welding helmet fitted with a proper shade of filter to protect your face and eyes when welding or watching (see ANSI Z49.1 and Z87.1 listed in Principal Safety Standards). Refer to Lens Shade Selection table in Section 1-4.

- Wear approved safety glasses with side shields under your helmet.
- Use protective screens or barriers to protect others from flash, glare, and sparks; warn others not to watch the arc.
- Wear body protection made from durable, flame-resistant material (leather, heavy cotton, wool). Body protection includes oil-free clothing such as leather gloves, heavy shirt, cuffless trousers, high shoes, and a cap.

- Before welding, adjust the auto-darkening lens sensitivity setting to meet the application.
- Stop welding immediately if the auto-darkening lens does not darken when the arc is struck.



NOISE can damage hearing.

- Noise from some processes or equipment can damage hearing.
- Wear approved ear protection if noise level is high.



WELDING HELMETS do not provide unlimited eye, ear, and face protection.

Arc rays from the welding process produce intense visible and invisible (ultraviolet and infrared) rays that can burn eyes and skin. Sparks fly off from the weld.

- Use helmet for welding/cutting applications only. Do not use helmet for laser welding/cutting.
- Use impact resistant safety spectacles or goggles and ear protection at all times when using this welding helmet.
- Do not use this helmet while working with or around explosives or corrosive liquids.
- This helmet is not rated for overhead welding. Do not weld in the direct overhead position while using this helmet unless additional precautions are taken to protect yourself from arc rays, spatter, and other hazards.
- Inspect the auto-lens frequently. Immediately replace any scratched, cracked, or pitted cover lenses or auto-lenses.
- Lens and retention components must be installed as instructed in this manual to ensure compliance with ANSI Z87.1 protection standards.
- This helmet provides protection from projectiles associated with grinding, chipping, and related activities; it is not a hard hat and does not provide protection from falling objects.



READ INSTRUCTIONS.

- Read and follow all labels and the Owner's Manual carefully before installing, operating, or servicing unit. Read the safety information at the beginning of the manual and in each section.
- Use only genuine replacement parts from the manufacturer.
- Perform installation, maintenance, and service according to the Owner's Manuals, industry standards, and national, state, and local codes.



FUMES AND GASES can be hazardous.

Welding produces fumes and gases. Breathing these fumes and gases can be hazardous to your health.

- Keep your head out of the fumes. Do not breathe the fumes.
- Ventilate the work area and/or use local forced ventilation at the arc to remove welding fumes and gases. The recommended way to determine adequate ventilation is to sample for the composition and quantity of fumes and gases to which personnel are exposed.
- If ventilation is poor, wear an approved air-supplied respirator.
- Read and understand the Safety Data Sheets (SDSs) and the manufacturer's instructions for adhesives, coatings, cleaners, consumables, coolants, degreasers, fluxes, and metals.
- Work in a confined space only if it is well ventilated, or while wearing an air-supplied respirator. Always have a trained watchperson nearby. Welding fumes and gases can displace air and lower the oxygen level causing injury or death. Be sure the breathing air is safe.

- Do not weld in locations near degreasing, cleaning, or spraying operations. The heat and rays of the arc can react with vapors to form highly toxic and irritating gases.
- Do not weld on coated metals, such as galvanized, lead, or cadmium plated steel, unless the coating is removed from the weld area, the area is well ventilated, and while wearing an air-supplied respirator. The coatings and any metals containing these elements can give off toxic fumes if welded.

1-3. California Proposition 65 Warnings

WARNING – Cancer and Reproductive Harm — www.P65Warnings.ca.gov.

Process	Electrode Size in. (mm)	Arc Current in Amperes	Minimum Pro- tective Shade No.	Suggested Shade No. (Comfort)*
Shielded Metal	Less than 3/32 (2.4)	Less than 60	7	
Arc	3/32-5/32 (2.4-4.0)	60–160	8	10
Welding	5/32-1/4 (4.0-6.4)	160–250	10	12
(SIVIAVV)	More than 1/4 (6.4)	250–550	11	14
Gas Metal Arc		Less than 60	7	
Welding		60–160	10	11
Flux Cored Arc		160–250	10	12
Welding (FCAW)		250–500	10	14
Gas Tungsten		Less than 50	8	10
Arc		50–150	8	12
Welding (TIG)		150–500	10	14
Air Carbon Arc	Light	Less than 500	10	12
Cutting (CAC-A)	Heavy	500–1000	11	14
		Less than 20	4	4
		20–40	5	5
		40–60	6	6
Plasma Arc Cut- ting (PAC)		60–80	8	8
		80–300	8	9
		300–400	9	12
		400-800	10	14
		Less than 20	6	6–8
Plasma Arc		20–100	8	10
Welding (PAW)		100–400	10	12
		400-800	11	14

1-4. Lens Shade Selection Table

Reference: ANSI Z49.1:2012

*Start with a shade that is too dark to see the weld zone. Then, go to a lighter shade which gives a sufficient view of the weld zone without going below the minimum.

1-5. Principal Safety Standards

Safety in Welding, Cutting, and Allied Processes, American Welding Society standard ANSI Standard Z49.1. Website: http://www.aws.org.

Safe Practice For Occupational And Educational Eye And Face Protection, ANSI Standard Z87.1, from American National Standards Institute. Website: www.ansi.org.

Safety in Welding, Cutting, and Allied Processes, CSA Standard W117.2 from Canadian Standards Association. Website: www.csagroup.org.

Industrial Head Protection, ANSI/ISEA Standard Z89.1 from American National Standards Institute. Website: www.ansi.org.

Helmet 2020-06

SECTION 2 – DEFINITIONS

2-1. Additional Safety Symbol Definitions



2-2. Miscellaneous Symbols And Definitions

+	Positive
	Negative
Ċ	Power On/ Off

Specification	Digital Performance Helmet	Digital Elite Helmet	
Viewing Field	3.81 x 1.85 in. (97 x 47 mm)	3.81 x 2.62 in. (97 x 60mm)	
Operating Modes	Three Modes: Weld, Cut, Grind	Four Modes: Weld, Cut, Grind, X-Mode	
Reaction Time	0.0000500 sec (1/20,000)	0.0000500 sec (1/20,000)	
Available Shades	Weld Mode Darkened State: No. 8–No. 13 Light State: No. 3	Weld Mode Darkened State: No. 8–No. 13 Light State: No. 3	
tinuous UV And IR Protection.	Cut Mode Darkened State: No. 5–No. 8 Light State: No. 3	Cut Mode Darkened State: No. 5–No. 8 Light State: No. 3	
	Grind Mode Light State: No. 3	Grind Mode Light State: No. 3	
		X-Mode Darkened State: No. 8–No. 13 Light State: No. 3	
Sensitivity Control	Weld Mode: No. 0–No. 10	Weld Mode: No. 0–No. 10	
Adjustable For Varying	Cut Mode: No. 0–No. 10	Cut Mode: No. 0-No. 10	
ing/Cutting Arc. No. 10	Grind Mode: Not Applicable	Grind Mode: Not Applicable	
Setting Locks Lens In Dark State.		X-Mode: No. 0–No. 10	
Dolov Control	Wold Mode: No. 0. No. 10	Weld Mode: No. 0-No. 10	
		Cut Made: No. 0, No. 10	
Slows Lens Dark-To-Light State.	Cut Mode: No. 0–No. 10	Cut Mode. No. 0–No. 10	
	Grind Mode: Not Applicable	Grind Mode: Not Applicable	
		X-Mode No. 0–No. 10	
Automatic Power	Shuts Lens Off 45 Minutes After Last Arc Is Struck. Lens Auto- matically Turns On When Arc Is Struck.		
Low Battery Light	Red LED LightsTo Indicate 2-3 D	ays Remaining Battery Life.	
Power Supply	Panasonic CR2450 Lithium Batte	eries (2) (Miller Part No. 217043)	
Sensors	Independent/Redundant (Three)	Independent/Redundant (Four) And Magnetic (In X-Mode)	
Operating Temperature	14°F to 131°F / -10°C to +55°C		
	When Stored In Extremely Cold Temperatures, Warm Hel- met To Ambient Temperature Before Welding.		
Storage Temperature	-4°F to 158°F / -20°C to +70°C		
	When Stored In Extremely Cold Temperatures, Warm Hel- met To Ambient Temperature Before Welding.		
Total Weight	17 oz. (481.9 g)	18 oz. (510.3 g)	
Standards	Meets ANSI Z87.1+ And CSA Z94.3 Standards		
Warranty	Three Years From Date Of Purchase (See Section 11)		

Please register your product at www.MillerWelds.com/Support/Registration

SECTION 4 – OPERATING INSTRUCTIONS

4-1. Helmet Controls



4-2. Auto On/Off Button And Grind/Low Battery Light



- A Digital Elite lens is shown.
- 1 Auto On/Off Button

Press On/Off button to check if the lens is working properly and to begin lens shade, sensitivity, and delay adjustments.

When the On/Off button is pressed, the display screen should show the lens settings. Do not use the helmet if the lens does not function as described. (See Section 10-1, Troubleshooting.)

2 Grind / Low Battery Light

The Grind / Low Battery light blinks when the lens is in the Grind mode. Light stays on when 2–3 days of battery life remain.

If battery power is low, replace with Panasonic CR2450 lithium batteries (2 required, Miller Part No. 217043). See Section 7-1.



- A Digital Elite lens is shown.
- 1 Mode Control

Press Mode button to select the mode appropriate for the work activity:

Weld Mode- used for most welding applications. In this mode the lens turns on when it optically senses a welding arc. Adjust shade, sensitivity, and delay settings as needed.

Cut Mode- used for cutting applications. In this mode the lens turns on when it optically senses a cutting arc. Adjust shade, sensitivity, and delay settings as needed.

Grind Mode- used for metal grinding applications. In this mode the shade is fixed shade No. 3. No lens adjustments are possible.

X-Mode - used for outdoor or low current welding applications. In this mode the lens turns on when it senses weld current. Adjust shade, sensitivity, and delay settings as needed.

- X-Mode is not present on Performance helmets.
- Nearby welding may affect helmet operation when lens is in X-Mode. Stay at least 12 ft (3.7 m) away from other welding activity.



A Digital Elite lens is shown.

- 1 Variable Shade Adjustment Buttons
- 2 Mode Control Button

Use the LTR and DKR adjustment buttons to adjust the lens shade in the darkened state. Use the table in Section 1-4 to select proper shade control setting based on your welding process. The shade ranges for each mode are as follows:

Weld- No. 8-No. 13

Cut - No. 5-No. 8

Grind - No. 3 only

X-Mode - No. 8–No. 13 sensitivity, and delay settings as needed.

Start at the highest setting and adjust lighter to suit the application and your personal preference.

Variable Shade Adjustment Procedure

- Press Auto On/Off button to turn lens On.
- Press Mode Control Button to select desired function: Weld, Cut, Grind, or X-Mode.
- X-Mode is not present on Performance helmets.
 - Use LTR and DKR adjustment buttons to select desired shade.
 - Begin welding or continue with other lens adjustments.

4-5. Lens Delay Control



P A Digital Elite lens is shown.

- 1 Lens Delay Adjustment Buttons
- 2 Mode Control Button

Use the Lens Delay Short and Long buttons to adjust the time for the lens to switch to the clear state after welding or cutting.

The delay is particularly useful in eliminating bright after-rays present in higher amperage applications where the molten puddle remains bright momentarily after welding. Use the Lens Delay Control buttons to adjust delay from 0 to 10 (0.1 to 1.0 second).

The delay ranges for each mode are as follows:

Weld, Cut, And X-Modes - No. 0-No. 10

Grind Mode- No delay adjustment

- There is no lens delay adjustment in the Grind mode, and in the Cut mode (when sensitivity is set to 10).
- X-Mode is not present on Performance helmets.

Lens Delay Adjustment Procedure

- Press Auto On/Off button to turn helmet On.
- Press Mode button to select desired function: Weld, Cut, or X-Mode.
- Use Short and Long adjustment buttons to select desired delay.
- Begin welding or continue with other lens adjustments.

4-6. Sensitivity Control



- P A Digital Elite lens is shown.
- 1 Sensitivity Adjustment Buttons
- 2 Mode Control Button

Use control to make the lens more responsive to different light levels in various welding processes. Use a Mid-Range or 30-50% sensitivity setting for most applications.

It may be necessary to adjust helmet sensitivity to accommodate different lighting conditions or if lens is flashing On and Off.

The sensitivity ranges for each mode are as follows:

Weld, Cut, X-Modes - 0-10

Grind Mode - No sensitivity adjustment

Sensitivity Adjustment Procedure

Do not weld in the Grind mode; the lens will not darken.

X-Mode is not present on Performance helmets.

- Adjust helmet sensitivity in lighting conditions helmet will be used in.
 - Press Auto On/Off button to turn helmet On.
 - Press Mode button to select desired function: Weld, Cut, or X-Mode.
 - Use Sensitivity Less and More buttons to adjust sensitivity control to lowest setting.
 - Face the helmet in the direction of use, exposing it to the surrounding light conditions.
 - Press sensitivity More button until the lens darkens, then press Less button until lens clears. An alternative method is to press and hold the Less button until the lens clears.

Helmet is ready for use. Slight readjustment may be necessary for certain applications or if lens is flashing on and off.

Reduce Sensitivity setting if lens stays dark longer than Delay setting.

Recommended Sensitivity Settings			
Stick Electrode	Mid-Range		
Short Circuiting (MIG)	Low/Mid-Range		
Pulsed And Spray (MIG)	Mid-Range		
Gas Tungsten Arc (TIG)	Mid/High-Range		
Plasma Arc Cutting/Welding	Low/Mid-Range		



SECTION 5 – ADJUSTING HEADGEAR

5-1. Adjusting Headgear



- There are four headgear adjustments: headgear top, tightness, angle, and distance.
- 1 Headgear Top

Adjusts headgear for proper depth on the head to ensure correct balance and stability.

2 Headgear Tightness

To adjust, turn the adjusting knob located on the back of the headgear left or right to desired tightness.

3 Angle Adjustment (Not Shown)

Seven slots on the right side of the headband provide adjustment for the forward tilt of the helmet. To adjust, lift and reposition the control arm to the desired position.

4 Distance Adjustment

Adjusts the distance between the face and the lens. To adjust, press black tabs on the top and bottom of the pivot point and use other hand to slide headgear forward or backward. Release tabs. (Both sides must be equally positioned for proper vision.)

Numbers on the adjustment slides indicate set position so both sides can be adjusted equally.

SECTION 6 – REPLACING LENS COVERS

6-1. Replacing Outside Lens Covers On Digital Elite And Performance Quick-Release Helmets



Never use the autodarkening lens without the inside and outside lens covers properly installed. Welding spatter will damage the autodarkening lens and void the warranty.

- 1 Front Lens Holder
- 2 Release Points
- 3 Lens Cover
- 4 Gasket

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Remove front lens holder by pressing release points and pulling the holder away from the helmet.

Remove lens cover and gasket from the holder. Replace lens cover and reinstall gasket and lens in holder. Reinstall holder in helmet.

Be sure the flat side of lens cover gasket faces the lens cover holder. 6-2. Replacing Inside Lens Cover — Digital Performance Series Helmets



- ▲ Never use the auto-darkening lens without the inside and outside lens covers properly installed. Welding spatter will damage the auto-darkening lens and void the warranty.
- 1 Lens Assembly
- 2 Inside Lens Cover

Remove the lens cover holder (see Section 6-1). Remove lens assembly.

Remove the inside lens cover by prying the cover up at either thumbnail opening at each side of the cover. Slide cover it out of either side of frame. Replace lens cover and reinstall the assembly in the helmet by reversing the above procedure.

Be sure the cover lens is seated properly (flat) to prevent fogging. 6-3. Replacing The Lens Covers On Digital Elite Standard Helmets



- Never use the auto-darkening lens without the inside and outside lens covers properly installed. Welding spatter will damage the auto-darkening lens and void the warranty.
- 1 Front Lens Gasket
- 2 Outside Lens Cover
- 3 Lens Assembly Gasket
- 4 Lens Assembly
- 5 Inside Lens Cover
- 6 Lens Frame

Remove the lens assembly to remove either lens cover.

To remove the lens assembly, push down on the helmet bottom retaining arms and push the retaining clips toward the outside of the helmet. Lift up on the assembly and pull free of the helmet.

Outside Lens Cover

Remove the outside lens cover by pushing cover into the helmet. Remove the rubber lens gasket and install on the new lens cover. Reinstall the lens assembly.

- Be sure wide edge of gasket faces helmet shell.
- Be sure the flat side of lens cover gasket faces the helmet shell.

Inside Lens Cover

To replace the inside lens cover, remove the lens assembly from the lens frame by pushing up on the top two retaining tabs while gently pushing the lens free.

Remove the lens cover by sliding it out of either side. Replace with the new cover lens and reinstall the assembly in the helmet.

SECTION 7 – REPLACING THE BATTERY

7-1. Replacing The Batteries



To replace the batteries, remove the autodarkening lens assembly (see Section 6-1).

- 1 Battery Tray
- 2 Digital Elite Lens
- 3 Digital Performance Lens

After removing the lens assembly, slide the battery holding trays out and remove the old batteries.

Replace with Panasonic CR2450 lithium batteries (2 required, Miller Part No. 217043).

Be sure Positive (+) side of the battery faces up (toward inside of helmet).

Reinstall the battery trays. To test, press the On button. The display screen should turn on. Reinstall the lens assembly.

Left and right battery trays are not interchangeable in the Digital Elite lens assembly. The auto-darkening helmet will not work if battery trays are installed on the wrong sides.

SECTION 8 – INSTALLING OPTIONAL MAGNIFYING LENS

8-1. Installing Optional Magnifying Lens



1 Optional Magnifying Lens

Starting at the top, slide magnifying lens into the helmet retaining brackets. Align the magnifying lens with the autodarkening lens assembly.

Reverse procedure to remove magnifying lens.

To prevent lens fogging, install flat side of magnifying lens toward autodarkening lens.

SECTION 9 – MAINTENANCE AND STORAGE

- Do not use solvents or abrasive cleaning detergents to clean the helmet. Do not immerse the lens assembly in water.
- Keep helmet dry; do not expose helmet to rain or snow. Keep helmet away from fire and other sources of heat.
- The auto-darkening lens uses sensitive electronics. Do not drop helmet or handle it in a rough manner.

The helmet requires little maintenance. However, for best performance clean helmet after each use. Using a soft cloth dampened with a mild soap and water solution, wipe the cover lenses clean. Allow to air dry. Occasionally, the filter lens and sensors should be cleaned by gently wiping with a soft, dry cloth.

Store helmet in a clean, dry, cool place free of solvent-based vapors. To prevent battery from losing power, store helmet in helmet bag or in a dark location. Remove battery(s) if helmet will be stored longer than six months.

End Of Useful Life

The welding helmet has no expiration date, and with proper care and maintenance it can provide many years of eye and face protection. The helmet can continue to be used, provided that the helmet shell/shroud is undamaged (no cracks, gaps, or holes) and the lens functions normally (switches from a light state to a dark state.)

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SECTION 10 – TROUBLESHOOTING

10-1. Troubleshooting



Trouble	Remedy		
Auto lens not On – au- to-lens does not darken	Check batteries and verify they are in good condition and installed properly.		
Momentarily when the On button is pressed.	Check battery surfaces and contacts, and clean if necessary.		
	Check battery for proper contact and gently adjust contact points if necessary. This is particularly important if the helmet has been dropped.		
Not switching – auto-	Stop welding or cutting immediately: Press the Auto On/Off button.		
does not darken when welding or cutting.	If power is On, review the sensitivity recommendations and adjust sensitivity.		
	Clean lens cover and sensors of any obstructions. Make sure the sensors are facing the arc; angles of 45° or more may not allow the arc light to reach the sensors.		
Not Switching – auto- lens stays dark after the arc is extinguished, or the auto-lens stays dark when no arc is present.	Reduce Sensitivity setting (see Section). In extreme light condi- tions, it may be necessary to reduce the surrounding light levels.		
Sections of the auto- lens are not going dark,	Stop welding or cutting immediately: The auto-lens may be cracked which can be caused by the impact of dropping the helmet.		
the light and dark areas.	Weld spatter on the auto lens may also cause cracking. (The lens may need to be replaced; most cracked lenses are not covered by warranty).		
Switching or Flickering – the auto-lens darkens then lightens while the	Review the sensitivity setting recommendations and increase the sensitivity if possible. Be sure the arc sensors are not being blocked from direct access to the arc light.		
present.	Check the lens cover for dirt and spatter that may be blocking the arc sensors. Increasing Lens Delay 0.1 - 0.3 second may also reduce switching.		
Inconsistent or lighter auto-lens shading in the	Referred to as an angle of view effect, auto-darkening lenses have an optimum viewing angle.		
oark-state, noticeable on the outside edges and corners.	The optimum viewing angle is perpendicular or 90° to the surface of the auto-lens. When that angle of view varies in the dark-state, welders may notice slightly lighter areas at the outside edges and the corners of the lens. This is normal and does not represent any health or safety hazard.		
	This effect may also be more noticeable in applications where mag- nifying lenses are used.		

SECTION 11 – PARTS LIST





Digital Performance Auto-Darkening Welding Helmet

ltem No.	Part No.	Description	Qty.
1	250533	Helmet Shell, '64 Custom	1
1	232020	Helmet Shell, Black	1
1	241459	Helmet Shell, Blue Rage	1
1	241461	Helmet Shell, Camouflage	1
1	287366	Helmet Shell, Crusher (Performance)	1
	216714	Label, Warning Helmet En/Sp/Fr	1
2	770237	Lens Cover, Inside (4–1/4 x 2 in) (5 Per Pkg.)	1
3	280057	Auto-Darkening Lens Assy.	1
	256730	Battery Tray Kit (Left/Right)	1
4	232028	Gasket, Front Lens	1
5	231921	Lens, Front Cover (4–1/2 X 5–1/2 in) (5 Per Pkg.)	1
6	232030	Holder, Front Lens (Flat Black)	1
6	232031	Holder, Front Lens (Gray)	1
6	232032	Holder, Front Lens (Gloss Black)	1
6	232033	Holder, Front Lens (Blue)	1
6	257041	Holder, Front Lens (White)	1
7	284218	Headgear, Grey (Gen 3.5) (Includes).	1
8	*256178	—Adjustment Angle/Stop Hardware Kit	1
9	770249	—Headband, Fabric	1
10	770250	Bag Helmet, Miller	1
	♦079975	O-Rings, Replacement (For Item 8) (5 Per Pkg.)	1
	♦222003	Adapters, Hard Hat, Band (Not Shown)	1
	♦259637	Adapters, Slotted Hard Hat (Not Shown)	1
11	♦212235	Lens, 0.75 Magnification	1
11	♦212236	Lens, 1.00 Magnification	1
11	♦212237	Lens, 1.25 Magnification	1
11	◆ 212238	Lens, 1.50 Magnification	1
11	◆ 212239	Lens, 1.75 Magnification	1
11	♦212240	Lens, 2.00 Magnification	1
11	♦212241	Lens, 2.25 Magnification	1
11	♦212242	Lens, 2.50 Magnification	1
12	♦271326	Cushion, Top Headgear	1

* Adjustment Hardware Kit With O-Rings.

Optional



Figure 11-2. Digital Elite Auto-Darkening Welding Helmet - Standard Models

	Digital Elite Auto-Darkening weiding Heimet -Standard Models			
ltem No.	Part No.	Description	Qty.	
1	280958	Helmet Shell, Raptor	1	
1	216331	Helmet Shell, Black	1	
1	223454	Helmet Shell, Inferno	1	
1	237872	Helmet Shell, Lucky's Speed Shop	1	
1	265709	Helmet Shell, Stars And Stripes III	1	
1	288522	Helmet Shell, Gear Box	1	
1	273954	Helmet Shell, Pink Camo	1	
1	227190	Helmet Shell, Camouflage	1	
1	260086	Helmet Shell, Vintage Roadster	1	
1	260128	Helmet Shell, POW/MIA	1	
1	269947	Helmet Shell, Hot Rod Garage	1	
	216714	Label, Warning Helmet En/Sp/Fr	1	
2	216327	Inside Lens Cover (4–1/4 X 2–1/2) (5 Per Pkg.)	1	
3	280056	Auto-Darkening Lens Assembly	1	
4	216337	Gasket, Front Lens - Cover	1	
5	234758	Gasket, Auto Darkening Lens Assembly	1	
6	216326	Outside Lens Cover (4–11/16 X 5–5/8) (5 Per Pkg.)	1	
7	234759	Frame, Lens	1	
8	284218	Headgear, Grey (Gen 3.5) (Includes Items 9 And 10)	1	
9	*256178	Adjustment Angle/Stop Hardware Kit	1	
10	770249	—Fabric Headband	1	
	079975	—Replacement O-Rings For Kit 256 178 (5 Per Pkg.)	1	
11	216339	Tray, Battery (Left/Right)	1	
	217043	Battery, Lithium (CR2450)	2	
12	770250	Helmet Bag - Miller	1	
	♦222003	Hard Hat Adapters, Band (Not Shown)	1	
	♦259637	Adapters, Slotted Hard Hat (Not Shown)	1	
	♦212235	Lens, 0.75 Magnification (Not Shown)	1	
	♦212236	Lens, 1.00 Magnification (Not Shown)	1	
	♦212237	Lens, 1.25 Magnification (Not Shown)	1	
	◆ 212238	Lens, 1.50 Magnification (Not Shown)	1	
	♦ 212239	Lens, 1.75 Magnification (Not Shown)	1	
	◆ 212240	Lens, 2.00 Magnification (Not Shown)	1	
	◆ 212241	Lens, 2.25 Magnification (Not Shown)	1	
	♦212242	Lens, 2.50 Magnification (Not Shown)	1	
13	♦ 271326	Cushion, Top Headgear	1	

* Adjustment Hardware Kit With O-Rings.



Figure 11-3. Digital Elite Series Auto-Darkening Welding Helmet - Quick Release Models

Digital Elite Series Auto-Darkening Welding Helmet - Quick Release Models			
ltem No.	Part No.	Description	Qty.
1	241976	Helmet Shell, Black (Includes Item 6)	1
	216714	Label, Warning Helmet En/Sp/Fr	1
2	216327	Inside Lens Cover (4–1/4 X 2–1/2) (5 Per Pkg.)	1
3	280056	Auto-Darkening Lens Assembly	1
4	241977	Gasket, Lens Assembly	1
5	216326	Outside Lens Cover (4–11/16 X 5–5/8) (5 Per Pkg.)	1
6	241978	Front Lens Holder (Black)	1
7	284218	Headgear, Grey (Gen 3.5) (Includes Items 8 And 9)	1
8	*256178	Adjustment Angle/Stop Hardware Kit	1
9	770249	—Fabric Headband	1
	079975	—Replacement O-Rings For Kit 256 178 (5 Per Pkg.)	1
10	770250	Helmet Bag - Miller	1
11	216339	Battery Tray Kit (Left/Right)	1
	217043	Battery, Lithium (CR2450)	2
	♦222003	Hard Hat Adapters, Band (Not Shown)	1
	♦259637	Adapters, Slotted Hard Hat (Not Shown)	1
12	♦212235	Lens, 0.75 Magnification	1
	♦212236	Lens, 1.00 Magnification	1
	♦212237	Lens, 1.25 Magnification	1
	♦212238	Lens, 1.50 Magnification	1
	♦212239	Lens, 1.75 Magnification	1
	♦212240	Lens, 2.00 Magnification	1
	♦212241	Lens, 2.25 Magnification	1
	♦212242	Lens, 2.50 Magnification	1
13	♦271326	Cushion, Top Headgear	1

* Adjustment Hardware Kit With O-Rings.

Optional

SECTION 12 – LIMITED WARRANTY

LIMITED WARRANTY— Subject to the terms and conditions below. Miller Electric Mfg. LLC, Appleton, Wisconsin, warrants to its original retail purchaser that the new Miller equipment sold after the effective date of this limited warranty is free of defects in material and workmanship at the time it is shipped by Miller. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANT-ABILITY AND FITNESS.

This Miller auto-darkening lens helmet is warranted for 3 years from the date of purchase. *Proof of purchase is required for warranty transactions so it is imperative that a copy of the original invoice or sales receipt be retained.*

This warranty provides specific legal rights, and other rights may be available depending on your state or province.

For warranty transactions, contact your Miller Distributor.

Miller Helmet3 2020-04

Effective January 1, 2020



For product information, Owner's Manual translations, and more, visit

www.MillerWelds.com