



BULLET RESISTANT HELMETS MANUAL

Applicable to models:

BH-FAST-HMA-G5 (HF-200)

BH-MICH/ACH-HMA-G5 (HMA-200)

Bullet Resistant Helmets Maintenance

Maintaining our bullet-resistant helmets is critical for ensuring their protective capabilities remain intact over time.

Proper care and handling can achieve and even extend the life of the helmet and ensure it functions effectively in the field.

Here are some key advice and recommendations for maintenance of our helmets



1. Regular Inspection

- Check for Physical Damage: Inspect the helmet regularly for cracks, dents, scratches, or any signs of physical damage. Even minor damage can compromise its protective capability.
- Examine its Retention System: Ensure that the straps & buckles, are securely fastened and in good condition. If any components are worn out, they should be replaced immediately.
- Examine its Suspension System: Check the interior suspension system (padding, webbing) for any wear or damage, as this affects the helmet's fit and shock absorption.
- Check the Outer Shell: Look for any signs of delamination or weakening of the outer shell. If the surface begins to peel or show excessive wear, the helmet may need replacement.

2. Proper Cleaning and Maintenance

- Use Mild Detergents: Clean the helmet with mild soap and fresh water. Avoid using harsh chemicals, solvents, or abrasive materials that could weaken the helmet's material.
- Avoid Submersion in Water: Do not fully submerge the helmet in water, as moisture can get into layers and compromise the materials, especially for composite and ballistic materials.
- Clean Interior Components Separately:
 - Removable pads or liners and retention system: clean them separately according to manufacturer instructions to avoid degrading the helmet's internal components.
 - Remove and clean by hand with a "delicate" clothe detergent
 - Let it dry by hanging in a dry area. Do not dry-clean or leave at direct sunlight exposure.
 - Make sure the pads are fully dry prior from inserting back to the helmet.
- Dry Properly: After cleaning, allow the helmet to air dry completely in a cool, dry area away from direct sunlight or excessive heat. Do not use dryers or heaters, as high temperatures can warp or weaken the materials.

3. Storage Guidelines

- Store in a Cool, Dry Place: Keep the helmet in a dry, cool environment when not in use. Excessive heat and moisture can degrade the materials and reduce the helmet's effectiveness over time.
- Avoid Direct Sunlight: UV rays from direct sunlight can weaken the helmet's outer shell and cause fading or cracking over time. Store the helmet in a shaded area.
- Use a Helmet Cover: If possible, store the helmet in a protective cover to avoid scratches and damage from impacts when it's not in use.
- Do Not Stack Heavy Objects on Top: Avoid placing heavy objects on top of the helmet, as this can cause deformation or damage to the ballistic material.

4. Handling Guidelines

- Avoid Dropping or Impact: Even though bullet-resistant helmets are designed to withstand impact, avoid dropping or banging them against hard surfaces. Repeated impacts can weaken the integrity of the materials over time.
- Keep Away from Chemicals: Avoid exposing the helmet to harsh chemicals, oils, or solvents, which can degrade the protective materials. This includes sprays, fuel, and cleaning agents.
- Labeling and Painting: Avoid painting the helmet or adding stickers unless specifically permitted by the manufacturer. Some chemicals in paints or adhesives can weaken the ballistic properties of the helmet.

5. Replacement Recommendations

- Follow the Manufacturer's Life Expectancy Guidelines: Bullet-resistant helmets have a recommended life span, usually between 5 to 10 years, depending on the materials used and exposure to elements. Follow the manufacturer's replacement schedule even if the helmet appears to be in good condition.
- Replace After Significant Impact: If the helmet has been involved in an impact event, such as a ballistic strike, blast, or severe drop, it should be replaced immediately, even if no visible damage is present. The integrity of the helmet may be compromised even without visible cracks.
- Upgrade When Necessary: If newer, more advanced helmet models become available, consider upgrading to ensure you are using the best protection technology available.

6. Avoid Excessive Customization

- Limit Attachments: Attaching accessories such as night-vision goggles, cameras, or other devices should be done carefully, following the manufacturer's guidelines. Improperly installed attachments can cause uneven weight distribution, affecting comfort and safety.
- No Unauthorized Modifications: Avoid drilling holes, modifying the helmet's structure, or making unauthorized alterations. This can void the warranty and severely weaken the helmet's ballistic integrity.

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7. Record Keeping

- Track Maintenance and Inspections: Maintain a log of when the helmet was inspected, cleaned, or repaired. This ensures regular maintenance is carried out and helps identify when it's time to replace or upgrade the helmet. Maintenance log must be fulfilled in order not to avoid any warranties.
- Monitor Exposure to Harsh Conditions: If the helmet has been exposed to extreme conditions such as heat, moisture, or corrosive environments (e.g., chemicals or sea air), note it and consider more frequent inspections or replacements.

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Summary of Key Points:

- **Inspect regularly** for physical damage, including cracks and wear on straps and pads.
- **Clean carefully** with mild soap and avoid harsh chemicals, air dry completely.
- **Store properly** in a cool, dry place away from sunlight and avoid placing heavy objects on top of the helmet.
- **Handle with care**, avoiding impacts and exposure to chemicals.
- **Replace after significant impacts** and follow manufacturer's guidelines for life expectancy.

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- **Replace after significant impacts** and follow manufacturer's guidelines for life expectancy.

Helmet warranty:

"This ballistic helmet is warranted to be free from defects in materials and workmanship for a period of 5 to 10 years from the date of manufacture (Check you invoice or contract for warranty period). The warranty covers only manufacturing defects that affect the ballistic integrity of the helmet under normal use. This warranty does not cover cosmetic damage, improper storage, exposure to extreme conditions, or unauthorized modifications. The manufacturer reserves the right to repair or replace any defective helmet at its discretion."

Warning:

"This helmet is designed to protect against ballistic threats as specified by its rating. It is not designed for blunt force protection or protection against extreme environmental conditions (e.g., fire, chemical exposure). Any unauthorized modifications or failure to maintain the helmet according to the manufacturer's instructions may void the warranty and reduce its protective capabilities."

"This helmet meets the NIJ 0106.01 Level IIIA standard for ballistic resistance and has been independently tested. It is designed to protect against handgun rounds up to .44 Magnum. However, it is not guaranteed to protect against rifle rounds or other projectiles not specified in the rating."

Liability:

"The manufacturer disclaims any liability for personal injury, death, or property damage resulting from misuse, failure to follow the provided instructions, unauthorized modifications, or exposure to threats beyond the helmet's ballistic rating. The manufacturer makes no claims of protection against threats not explicitly covered by the helmet's rating. This product is sold 'as is' and no other warranties, express or implied, including warranties of merchantability or fitness for a particular purpose, are provided beyond those stated in this document."

Risk & responsibility by end user:

"By purchasing this ballistic helmet, the end-user acknowledges that they have received and read the provided safety instructions and warranty details. The end-user assumes responsibility for the proper use and maintenance of the helmet in accordance with the manufacturer's guidelines. The user agrees not to modify or alter the helmet in any way that could impact its protective performance."

NOTES:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins or other markings on the paper.