

3M HYX1

Instruction Manual

3M PELTOR Hygiene Kit

Model: HYX1

Brand: 3M

INTRODUCTION

This manual provides instructions for the proper use and replacement of components within the 3M PELTOR Hygiene Kit, Model HYX1. This kit is designed to maintain the hygiene and performance of your 3M PELTOR X1 series earmuffs by allowing for the replacement of worn or soiled sealing rings and foam inserts.

Regular replacement of these components ensures optimal comfort, hygiene, and acoustic seal, which is crucial for effective hearing protection.

PRODUCT OVERVIEW

The 3M PELTOR Hygiene Kit HYX1 contains the essential components required to refresh your 3M PELTOR X1 series earmuffs. Each kit includes:

- Two (2) replacement sealing rings
- Two (2) replacement foam inserts



Figure 1: Components of the 3M PELTOR Hygiene Kit HYX1. This image displays two black, oval-shaped sealing rings and two grey, oval-shaped foam inserts, which are the replacement parts for 3M PELTOR X1 series earmuffs.

INSTALLATION (REPLACEMENT PROCEDURE)

Follow these steps to replace the sealing rings and foam inserts on your 3M PELTOR X1 series earmuffs. It is recommended to replace both components simultaneously for optimal performance and hygiene.

1. **Remove Old Components:** Carefully pull off the old sealing ring from the earmuff cup. The foam insert will typically be located directly underneath the sealing ring. Remove the old foam insert.
2. **Clean Earmuff Cup:** Gently wipe the surface of the earmuff cup where the new components will be placed to remove any dust or debris. Ensure the surface is dry before proceeding.
3. **Insert New Foam:** Place a new foam insert into the earmuff cup, ensuring it sits flat and covers the speaker (if applicable) without creasing.
4. **Attach New Sealing Ring:** Align the new sealing ring with the edge of the earmuff cup. Press firmly around the entire perimeter of the sealing ring until it snaps securely into place. Ensure there are no gaps and the ring is flush with the earmuff cup.
5. **Repeat for Other Earmuff:** Perform the same steps for the second earmuff cup.

Proper installation ensures a comfortable fit and maintains the noise reduction capabilities of your earmuffs.

USAGE AND REPLACEMENT FREQUENCY

The 3M PELTOR Hygiene Kit is intended for periodic replacement of earmuff components to ensure continued comfort, hygiene, and acoustic performance. The frequency of replacement depends on several factors:

- **Usage Intensity:** Earmuffs used daily or in demanding environments may require more frequent replacement.
- **Environmental Conditions:** High temperatures, humidity, or exposure to sweat can accelerate wear and tear.
- **Hygiene Requirements:** For optimal hygiene, especially when earmuffs are shared or used in dusty/dirty environments, more frequent replacement is advisable.

As a general guideline, it is recommended to replace the hygiene kit components at least every six months, or sooner if the sealing rings show signs of wear, cracking, hardening, or if the foam inserts become compressed or soiled.

MAINTENANCE AND CARE

While the hygiene kit provides new components, proper care of your earmuffs between replacements will extend their life and maintain effectiveness:

- **Cleaning:** Wipe down the exterior of the earmuffs and the newly installed sealing rings with a mild soap and water solution. Avoid harsh chemicals or abrasive cleaners.
- **Drying:** Allow earmuffs to air dry completely before storage. Do not expose to direct heat.
- **Storage:** Store earmuffs in a clean, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the sealing rings and foam inserts for any signs of damage or degradation.

TROUBLESHOOTING

If you encounter issues after replacing the hygiene kit components, consider the following:

- **Poor Fit or Seal:** Ensure the new sealing rings are fully seated and snapped into place around the entire perimeter of the earmuff cup. Re-check for any gaps.
- **Discomfort:** Verify that the foam inserts are placed flat and smoothly within the earmuff cups. Creased or improperly placed foam can cause discomfort.
- **Reduced Noise Reduction:** A poor seal is the most common cause. Re-install the sealing rings carefully. Ensure the earmuffs themselves are not damaged.

If problems persist, consult the original earmuff manual or contact 3M customer support.

SPECIFICATIONS

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| Model Number | HYX1 |
| Compatibility | 3M PELTOR X1-A / X1-P3E Earmuffs (X1 series) |
| Kit Contents | 2 x Sealing Rings, 2 x Foam Inserts |
| Manufacturer | 3M |
| Package Dimensions | 7.72 x 4.49 x 2.95 inches |
| Item Weight | 1.41 ounces |

IMPORTANT SAFETY INFORMATION AND SUPPORT

3M industrial and occupational products, including this hygiene kit, are intended, labelled, and packaged for sale to trained industrial and occupational customers for workplace use. They are not intended for consumer sale or use. Products must be selected and used in compliance with applicable health and safety regulations and standards, as well as all product literature, user instructions, warnings, and limitations. Misuse of 3M industrial and occupational products may result in injury, sickness, or death.

For assistance with product selection and use, consult your on-site safety professional, industrial hygienist, or other

subject matter expert.

For additional product information or support, please visit the official 3M website or contact 3M customer service. You may also find Safety Data Sheets (SDS) by searching on www.3M.ca.

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