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ILM 159

ILM Model 159 Modular Motorcycle Helmet User Manual

Your guide to safe and effective use of your ILM helmet.

1. INTRODUCTION AND OVERVIEW

The ILM Model 159 Modular Motorcycle Helmet is designed to provide superior protection and comfort for riders. This helmet features a modular flip-up design, dual visors, and an advanced ventilation system, meeting or exceeding DOT safety standards. Its lightweight ABS shell and high-density EPS liner ensure both safety and a comfortable riding experience.

Key features include:

- **Modular Flip-Up Design:** Allows for easy conversion between full-face and open-face configurations.
- **Dual Visor System:** Includes a clear outer visor for impact resistance and an inner dark sun visor for glare protection.
- **Advanced Ventilation:** Multiple air intake and exhaust vents promote airflow, keeping you cool and comfortable.
- **DOT Approved:** Certified to meet Department of Transportation safety standards.
- **Quick Release Buckle:** Ensures a secure fit and easy removal.
- **Removable & Washable Liner:** For easy cleaning and hygiene maintenance.

2. SETUP AND FIT

2.1 Sizing and Proper Fit

A proper fit is crucial for safety and comfort. Refer to the size chart below to determine your correct helmet size. The helmet should fit snugly around your head without causing pressure points. Your cheeks should be compressed slightly, and the helmet should not move freely when you shake your head.

ILM HELMET SIZE CHART

SIZE	CM	INCHES	HAT SIZE
S	55 - 56	21 ⁵ / ₈ - 22	6 ⁷ / ₈ - 7
M	57 - 58	22 ¹ / ₂ - 22 ⁷ / ₈	7 ¹ / ₈ - 7 ¹ / ₄
L	59 - 60	23 ¹ / ₄ - 23 ⁵ / ₈	7 ³ / ₈ - 7 ¹ / ₂
XL	61 - 62	24 - 24 ³ / ₈	7 ⁵ / ₈ - 7 ³ / ₄
XXL	63 - 64	24 ³ / ₄ - 25 ¹ / ₄	7 ⁷ / ₈ - 8

Sizing information is provided by the manufacturer and does not mean a perfect fit.
Please use this chart as a guide only.

Figure 2.1: ILM Helmet Size Chart. Measure your head circumference to find the appropriate size.

2.2 Adjusting the Quick Release Buckle

The helmet is equipped with a quick-release buckle for secure fastening and easy removal. To fasten, insert the male end into the female receiver until it clicks. To release, press the red button on the female receiver.



Figure 2.2: Close-up of the quick release buckle for secure fastening.

2.3 Removing Visor Protective Film

Before first use, carefully peel off any protective film from both the clear outer visor and the inner sun visor to ensure optimal visibility.

3. OPERATING THE HELMET FEATURES

3.1 Main Visor Operation

The clear outer visor can be easily raised and lowered. Use the tab located at the bottom center of the visor to lift it up or push it down. The visor has multiple detent positions for varying levels of opening.



Figure 3.1: Double lens design with clear outer visor and inner sun visor.

3.2 Inner Sun Visor Operation

The inner dark sun visor provides additional eye protection from sunlight. It is operated by a switch located on the side of the helmet. Slide the switch forward to deploy the sun visor and backward to retract it.



Figure 3.2: Illustration of the double lens design, highlighting the inner sun visor operation.

3.3 Modular Flip-Up Mechanism

To raise the front section of the helmet, locate the release button/latch, typically found near the chin bar. Press the button and lift the chin bar upwards until it locks into the open position. To close, press the release button again and push the chin bar down until it securely latches.



Figure 3.3: The modular flip-up design allows for versatility.

3.4 Ventilation System

The helmet features multiple vents for optimal airflow. Adjust the front, top, and rear vents by sliding their respective covers to open or close them, controlling the internal air circulation.



Figure 3.4: Multiple vent design ensures air circulation.



Figure 3.5: Close-up view of the helmet's front, top, and back vents.

4. MAINTENANCE AND CARE

4.1 Cleaning the Helmet Shell

Clean the helmet's exterior with a soft cloth, mild soap, and lukewarm water. Avoid harsh chemicals or abrasive cleaners, as they can damage the finish and protective coatings.

4.2 Cleaning Visors

The clear and sun visors should be cleaned with a soft, lint-free cloth and clean water. For stubborn dirt, use a specialized helmet visor cleaner. Do not use ammonia-based cleaners.

4.3 Removable and Washable Liner

The helmet's interior liner and cheek pads are removable and washable. Gently detach them from the helmet. Hand wash with mild soap and cold water, then air dry completely before reinserting. Ensure all components are dry to prevent mildew.



Figure 4.1: Removable and washable interior lining for easy cleaning.



Figure 4.2: Interior materials, including short pile fabric and carbon fiber leather, designed for comfort.

5. SAFETY INFORMATION

The ILM Model 159 helmet is DOT approved, meaning it meets the safety standards set by the U.S. Department of Transportation. Always wear your helmet correctly fastened and ensure all components are in good working order before riding. Replace your helmet after any impact, even if visible damage is not apparent.



Figure 5.1: The ILM Model 159 helmet is DOT certified for safety.

5.1 Emergency Helmet Removal Device

Some helmets are equipped with an emergency helmet removal device. Familiarize yourself with its location and operation, which is designed to assist emergency personnel in safely removing the helmet after an accident.



Figure 5.2: Emergency helmet removal device for enhanced safety.

6. SPECIFICATIONS

Feature	Detail
Model Name	159
Brand	ILM
Certificate Type	DOT, ETL
Shell Type	Hard
Closure Type	Quick Release
Material	Acrylonitrile Butadiene Styrene (ABS), Expanded Polystyrene (EPS)

Item Weight	3.86 pounds (1750 Grams)
Product Dimensions	14 x 10 x 10 inches
Special Features	Lightweight, Dual Visor
Vehicle Service Type	ATV, Cruiser, PWC, Street Bike

7. TROUBLESHOOTING

If you encounter any issues with your ILM Model 159 helmet, please refer to the relevant sections of this manual. For problems not addressed here, or for further assistance, contact ILM customer support.

8. WARRANTY AND SUPPORT

ILM provides a limited warranty for manufacturing defects. Please retain your proof of purchase for warranty claims. For detailed warranty information, product support, or to purchase replacement parts, visit the official ILM website or contact their customer service department.

Official ILM Website: [ILM Store on Amazon](#)

9. PRODUCT VIDEOS

9.1 Modular Motorcycle Helmet Overview

Your browser does not support the video tag.

This video provides a concise overview of the ILM modular motorcycle helmet, demonstrating its key features and functionality, including the flip-up mechanism and visor operation.