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HJC 0843-0105-05

HJC i90 Helmet User Manual

Model: 0843-0105-05
Brand: HJC

1. Introduction

The HJC i90 Helmet is designed to provide superior protection, comfort, and functionality for motorcyclists. Utilizing advanced CAD technology, its polycarbonate composite shell offers a lightweight yet durable structure. This manual provides essential information for the proper use, care, and maintenance of your HJC i90 helmet to ensure optimal performance and safety.



Figure 1: HJC i90 Helmet with clear visor.

2. Safety Information

Your safety is paramount. Always adhere to the following guidelines when using your helmet:

- **Proper Fit:** Ensure the helmet fits snugly and comfortably. A helmet that is too loose can shift during impact, reducing protection.
- **DOT Certified:** This helmet meets DOT safety standards. Always use a helmet that complies with applicable safety regulations.
- **Impact Protection:** Helmets are designed for one-time impact protection. If your helmet sustains an impact, even if no visible damage is present, it must be replaced immediately.
- **Visor Clarity:** Always ensure your visor is clean and free from obstructions to maintain clear vision.
- **Chemicals:** Avoid contact with petroleum products, cleaning fluids, paints, adhesives, or other solvents. These can

damage the helmet material and compromise its protective capabilities.

3. Components Overview

Familiarize yourself with the key components of your HJC i90 helmet:

- **Outer Shell:** Advanced Polycarbonate Composite Shell.
- **Main Visor (HJ-31 Shield):** Clear, anti-fog, and UV-protected.
- **Internal Sun Visor (HJ-V9):** Retractable tinted visor for sun protection.
- **Modular Chin Bar:** Allows the front section of the helmet to be raised.
- **Ventilation System:** Multiple intake and exhaust vents for airflow.
- **Interior Lining:** Removable and washable moisture-wicking fabric.
- **Cheek Pads:** Removable for cleaning and customizable fit.
- **Retention System:** Chin strap with quick-release buckle.



Figure 2: HJC i90 Helmet with modular chin bar raised and internal sun visor deployed.

4. Setup

4.1 Initial Fitment

1. Place the helmet on your head, ensuring it sits level and covers your forehead.

2. Fasten the chin strap securely. It should be snug under your chin without causing discomfort.
3. With the chin strap fastened, try to move the helmet from side to side and up and down. Your skin should move with the helmet, indicating a proper fit. There should be no excessive movement.
4. Check for pressure points. While a snug fit is necessary, it should not cause pain or excessive pressure.

4.2 Visor Installation and Removal (HJ-31 Shield)

The HJ-31 shield can be removed for cleaning or replacement. Refer to the quick-release mechanism on the side plates of the helmet. Press the release button/lever and pivot the visor to detach. To re-install, align the visor pivots with the helmet's mechanism and press firmly until it clicks into place.

4.3 Sun Visor Operation (HJ-V9)

The internal sun visor is operated by a slider mechanism located on the side of the helmet. Slide it forward to deploy the sun visor and backward to retract it. Ensure the sun visor is fully retracted when not in use, especially in low light conditions.

5. Operating Instructions

5.1 Modular Function

The HJC i90 features a modular chin bar for convenience. To raise the chin bar, locate the release button/lever, typically positioned at the center front of the chin bar. Press the button and pivot the chin bar upwards until it locks into the open position. To close, firmly pull the chin bar down until it securely latches into place. Always ensure the chin bar is fully locked before riding.

5.2 Ventilation System

The helmet is equipped with adjustable vents to control airflow. Locate the sliders on the top of the helmet and on the chin bar. Open these vents to increase airflow for cooling and close them to reduce airflow, particularly in colder conditions or rain.

6. Maintenance

6.1 Cleaning the Shell

Clean the helmet shell with a soft cloth and mild soap and water. Avoid abrasive cleaners or solvents, as these can damage the finish and material integrity. Rinse thoroughly and air dry.

6.2 Cleaning the Visor

Remove the visor from the helmet. Wash with lukewarm water and a soft cloth. For stubborn dirt, use a specialized helmet visor cleaner. Do not use abrasive materials or harsh chemicals. Allow to air dry completely before re-installing.

6.3 Cleaning the Interior Lining

The interior lining and cheek pads are removable and washable. Gently detach them from the helmet. Hand wash with mild soap and cold water, or machine wash on a delicate cycle in a laundry bag. Air dry completely before re-inserting into the helmet. Ensure all components are dry to prevent mildew.

6.4 Storage

Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures. Use a helmet bag to protect it from scratches and dust. Do not store the helmet near chemicals or solvents.

7. Troubleshooting

- **Helmet feels too tight/loose:** Re-evaluate your head size against HJC's sizing chart. Cheek pads can be replaced with different thicknesses for a more customized fit.
- **Visor not closing properly:** Check for any debris in the visor mechanism. Ensure the visor is correctly installed and seated in its pivots.
- **Excessive wind noise:** Ensure all vents are closed if not needed. Verify the visor and modular chin bar are fully closed and latched. A proper fit is crucial to minimize wind noise.
- **Fogging visor:** Ensure the anti-fog coating is intact. Consider using an anti-fog insert or spray if fogging persists in cold or humid conditions.

8. Specifications

Feature	Detail
Brand	HJC
Model Name	HJC i90 Helmet
Item Model Number	0843-0105-05
Outer Material	Polycarbonate (PC)
Inner Material	Nylon, Polyester, Acrylic
Color	BLACK
Size	Medium
Item Weight	5.44 pounds
Product Dimensions	15.5 x 11 x 11.5 inches
Safety Rating	DOT Certified

9. Warranty and Support

HJC is committed to providing high-quality, comfortable, and reasonably priced helmets. For specific warranty information, product support, or to purchase replacement parts and accessories, please visit the official HJC store or contact HJC customer service directly.

You can find more information and support at theHJC Store on Amazon.

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