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> HJC i91 Solid Modular Motorcycle Helmet Instruction Manual

HJC i91

HJC i91 Solid Modular Motorcycle Helmet

INSTRUCTION MANUAL

Model: i91 | Brand: HJC

INTRODUCTION

Thank you for choosing the HJC i91 Solid Modular Motorcycle Helmet. This helmet is engineered with advanced polycarbonate composite shell technology, offering a lightweight and comfortable fit. It features a versatile modular design, an integrated sun visor, and a Pinlock-ready shield, providing both convenience and protection for your rides. This manual provides essential information for the proper setup, operation, maintenance, and care of your new helmet to ensure optimal performance and safety.



The HJC i91 helmet in use by a motorcycle rider.

SAFETY INFORMATION

DOT FMVSS 218 Compliance

The HJC i91 helmet is DOT-approved, meeting the stringent requirements of US Federal Motor Vehicle Safety Standard 218 (FMVSS 218). This certification ensures the helmet has undergone rigorous testing for energy absorption, penetration resistance, and chin strap structural integrity, providing a high level of protection for on-road motorcycle use.



STANDARD DOT

Meets or exceeds DOT approved.

Testing includes energy attenuation, penetration resistance, chin strap structural integrity, and labeling requirements for on-road motorcycle helmets.

Visual representation of the helmet's DOT standard compliance.

Proposition 65 Warning

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

INITIAL SETUP

Unpacking

Carefully remove the helmet from its packaging. Inspect the helmet for any signs of damage that may have occurred during shipping. Retain all packaging materials for future storage or if the helmet needs to be returned.

Fitment

Proper fit is crucial for safety and comfort. The helmet should fit snugly around your head without causing pressure points. To check the fit:

1. Place the helmet on your head, ensuring the chin strap is unfastened.
2. The helmet should feel snug around the crown and cheeks.
3. Fasten the chin strap securely. It should be tight enough that you cannot pull the helmet off your head by rolling it forward or backward.
4. Shake your head from side to side and up and down. The helmet should move with your head, not independently.

The HJC i91 features removable and washable cheek and crown pads, which are interchangeable across all sizes to help achieve a customized fit. Glasses grooves are also integrated to enhance comfort for eyewear users.



The HJC i91 helmet, showcasing its modular design and integrated shield.

OPERATING YOUR HJC i91 HELMET

Modular Function

The i91 helmet features a modular design, allowing the chin bar to be raised. To operate the modular function, locate the release button or lever, typically positioned at the front center of the chin bar. Press or slide this mechanism and pivot the chin bar upwards until it locks into the open position. To close, simply pull the chin bar down firmly until it clicks securely into place.

Visor System (HJ-33 Shield & HJ-V12 Sun Visor)

The helmet is equipped with two visors for varying light conditions:

- **HJ-33 Pinlock Ready Shield:** This clear outer shield offers 99% UV protection and features an anti-scratch coating. It is designed to accept a Pinlock anti-fog insert (sold separately) for enhanced visibility in humid or cold conditions.

The shield can be opened and closed using the tab located at the bottom center.

- **HJ-V12 Sun Visor:** An integrated, retractable sun visor provides quick sun glare reduction. To deploy the sun visor, use the slider mechanism located on the side of the helmet. Slide it down to lower the visor and up to retract it. This dynamic multi-step sun visor allows for optimized positioning to minimize eye strain.



SMART HJC 2nd Gen.

The SMART HJC 2nd generation premium Bluetooth communication system models implement an all-in-one design, that is fully integrated into the helmet, allowing you to feel the optimal weight balance and aerodynamic performance while riding. Co-developed with SENA and tailored specially for HJC helmets. *All SMART HJC devices are sold separately.

The HJ-33 clear shield, offering UV protection and Pinlock readiness.



SUN VISOR: HJ-V12

Integrated Sun Visor: Improved peripheral vision with adequate sunlight reduction to minimize eye strain.

The HJ-V12 integrated sun visor, shown deployed for glare reduction.

Ventilation System

The Advanced Channeling Ventilation System (ACS) is designed to provide optimal airflow. It features front-to-back airflow channels that effectively expel heat and humidity from inside the helmet, helping to keep you cool and comfortable during your ride. Ensure all vents are clear of obstructions for maximum efficiency.

SMART HJC Bluetooth System Integration

The HJC i91 helmet is ready for SMART HJC 21B & 50B Bluetooth communication systems (sold separately). These systems are designed for seamless integration into the helmet, providing an optimal weight balance and aerodynamic performance. Refer to the SMART HJC system's specific instruction manual for installation and operation details.



SHIELD: HJ-33

99% UV-A & B protection

Pinlock® ready shield

The SMART HJC 2nd Gen. system, designed for seamless integration.

CARE AND MAINTENANCE

Interior Cleaning

The i91 features a moisture-wicking, quick-drying Supercool Interior. The cheek and crown pads are fully removable and washable. To clean:

1. Carefully remove the interior pads from the helmet.
2. Hand wash the pads in cold water with a mild soap or a specialized helmet interior cleaner.
3. Rinse thoroughly and allow them to air dry completely before re-installing. Do not machine wash or tumble dry.



SUPERCOOL INTERIOR

Supercool Interior keeps the rider cool and fresh with moisture-wicking, antibacterial fabric.

Removable Interior

Glasses grooves: Accommodates riders who wear eyeglasses and sunglasses.

The Supercool Interior is designed for easy removal and cleaning.

Exterior Cleaning

Clean the helmet's exterior shell with a soft, damp cloth and mild soap. Avoid abrasive cleaners or solvents, as these can damage the finish and protective coatings. For the visors, use only water and a soft cloth. Do not use chemical cleaners on the visors, especially the Pinlock-ready shield, as they can damage the anti-scratch or anti-fog properties.

Storage

Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures. Use a helmet bag to protect it from dust and scratches when not in use.

TROUBLESHOOTING

This section addresses common issues you might encounter with your HJC i91 helmet.

Issue	Possible Cause	Solution
Excessive Wind Noise	Improper fit; open vents; chin curtain not installed; external factors (windscreen, riding position).	Ensure helmet fits snugly. Close vents if not needed. Check chin curtain installation. Adjust riding position or consider a different windscreen on your motorcycle.
Headset Wiring/Fit Issues	Improper routing of wires; incompatible headset model; speakers not seated correctly.	Refer to the SMART HJC system manual for correct installation. Ensure wires are routed in designated channels. Verify compatibility of your headset with the i91 model.
Insufficient Airflow/Ventilation	Vents are closed or obstructed; riding conditions.	Ensure all intake and exhaust vents are fully open and clear of debris. Adjust riding speed and position to optimize airflow.
Visor Fogging	High humidity or cold temperatures; lack of airflow.	Install a Pinlock anti-fog insert (sold separately). Slightly crack open the clear shield for increased airflow. Ensure ventilation vents are open.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	i91
Shell Type	Advanced Polycarbonate Composite Shell
Safety Standard	DOT FMVSS 218 Approved
Main Shield	HJ-33 Pinlock Ready, 99% UV Protection, Anti-Scratch
Sun Visor	HJ-V12 Integrated Sun Visor
Interior	Supercool Moisture-Wicking, Removable & Washable
Ventilation	Advanced Channeling Ventilation System (ACS)
Bluetooth Compatibility	SMART HJC 21B & 50B (Sold Separately)
Weight	Approximately 3.46 pounds (varies by size)
Dimensions	15 x 11 x 11 inches (packaging dimensions)
Item Model Number	0848-0135-06
UPC	190501248800

WARRANTY AND SUPPORT

HJC Helmets are manufactured with high-quality materials and craftsmanship. For specific warranty details and duration, please refer to the warranty card included with your purchase or visit the official HJC Helmets website. For technical support, replacement parts, or any inquiries regarding your HJC i91 helmet, please contact HJC customer service directly.

You can also visit the HJC brand store for more information and products:[HJC Store on Amazon](#).

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