

HJC C91

HJC C91 Modular Motorcycle Helmet User Manual

Model: C91

1. INTRODUCTION

Thank you for choosing the HJC C91 Modular Motorcycle Helmet. This manual provides essential information for the proper use, maintenance, and care of your helmet. Please read it thoroughly before using your helmet to ensure maximum safety and performance. The HJC C91 is designed for street motorcycle use and offers a blend of comfort, safety, and convenience.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet that fits correctly and is securely fastened. This helmet is DOT approved and FMVSS 218 certified, meeting the safety standards for legal on-road motorcycle use in the United States.

- **Proper Fit:** A helmet must fit snugly and comfortably. If the helmet moves freely on your head, it is too large. An improperly fitted helmet can compromise safety.
- **Retention System:** Always secure the double D-ring retention strap firmly under your chin. Ensure it is tight enough that the helmet cannot be pulled off your head.
- **Impact Protection:** Helmets are designed to absorb impact by partial destruction of the shell and liner. A helmet that has sustained an impact, even if it appears undamaged, should be replaced immediately.
- **Visibility:** Ensure your visor is clean and free from obstructions. Use the HJ-V12 sun visor responsibly, retracting it in low light conditions.
- **Modifications:** Do not modify the helmet in any way, as this can compromise its protective capabilities. This includes painting, attaching accessories not approved by HJC, or altering the shell or liner.

3. PRODUCT FEATURES

The HJC C91 helmet incorporates advanced features for rider comfort and protection:

- **Polycarbonate Composite Shell:** Lightweight yet durable construction.
- **Multiple Shell Sizes:** Available in 3 shell sizes for optimized fit across various head sizes.
- **Slim and Sleek Front View:** Aerodynamic design for reduced wind resistance.
- **High-Performance Enhanced Air Circulation:** Advanced ventilation system for rider comfort.
- **HJ-33 Pinlock Prepared Shield:** Ready for Pinlock anti-fog inserts (sold separately) to prevent visor fogging.

fogging.

- **Dynamic Multi-Step HJ-V12 Sun Visor:** Integrated sun visor with multiple adjustable positions.
- **Double D-Ring Retention Strap:** Secure and reliable chin strap closure system.
- **Smart HJC Ready:** Designed to accommodate 2nd Gen Smart HJC Bluetooth communication systems (sold separately).
- **Perfect Fit, Fully Removable Interior:** Interior padding is removable for cleaning and features interchangeable cheek pads for a customized fit.



A front view of the HJC C91 modular motorcycle helmet in semi-flat black. The clear outer visor is down, and the internal sun visor is retracted. The HJC logo is visible on the forehead.

4. SETUP AND ADJUSTMENT

4.1. Helmet Fitting

Selecting the correct size is crucial. Your helmet should feel tight but not uncomfortable. To check the fit:

1. Place the helmet on your head, ensuring it sits level.
2. Fasten the chin strap securely using the double D-ring system.

3. Try to move the helmet from side to side and up and down. Your skin should move with the helmet, and there should be no excessive movement of the helmet itself.
4. If the helmet is too loose, try a smaller size or consider using thicker interchangeable cheek pads if available for your size.

4.2. Visor and Sun Visor Operation

The clear outer visor can be opened and closed using the tab located at the bottom center. The internal HJ-V12 sun visor is operated by a slider mechanism, typically located on the left side of the helmet. Slide it down to deploy the sun visor and up to retract it. Adjust to your preferred position.

4.3. Modular Chin Bar

To raise the modular chin bar, locate the release button (usually at the front center of 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 lower the chin bar until it securely latches.

4.4. Smart HJC Bluetooth System Installation

The C91 helmet is designed to integrate with 2nd Gen Smart HJC Bluetooth communication systems. Refer to the specific Smart HJC system's instruction manual for detailed installation procedures. Ensure all components are securely fitted and do not interfere with helmet function or safety.

5. OPERATING THE HELMET

5.1. Ventilation System

The HJC C91 features a high-performance ventilation system. Locate the intake vents on the chin bar and forehead, and the exhaust vents at the rear. Open or close these vents as needed to control airflow and maintain comfort. Adjusting the vents can help reduce fogging and heat buildup.

5.2. Visor Use

Always ride with the clear outer visor fully closed for maximum protection. The sun visor should only be used in bright conditions and retracted when visibility is low (e.g., at night, in tunnels, or during adverse weather).

6. MAINTENANCE AND CARE

6.1. Cleaning the Helmet Shell

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

6.2. Visor Cleaning

Remove the visor from the helmet before cleaning. Wash with lukewarm water and a soft cloth. For stubborn dirt or insects, soak the visor in warm water for a few minutes before gently wiping. Do not use abrasive materials or chemical cleaners. Dry with a soft, lint-free cloth.

6.3. Interior Padding Care

The interior padding is fully removable. Hand wash the padding with mild soap and cold water. Rinse thoroughly and allow to air dry completely before re-installing into the helmet. Do not machine wash or tumble dry.

6.4. Storage

Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures. Use the helmet bag provided to protect it from scratches and dust.

7. TROUBLESHOOTING

- **Helmet feels too tight or too loose:** Re-evaluate your head measurement and compare it to HJC's sizing chart. Consider trying a different size or adjusting cheek pads if available.
- **Visor fogging:** Ensure ventilation vents are open. Consider installing a Pinlock anti-fog insert on your HJ-33 prepared shield.
- **Modular chin bar not latching:** Ensure no debris is obstructing the latch mechanism. Apply light pressure to close firmly until you hear a click. If issues persist, inspect the mechanism for damage.
- **Excessive wind noise:** Check that all vents are closed if not needed. Ensure the visor is fully closed and sealed. A proper fit is essential to minimize wind noise.

8. SPECIFICATIONS

Specification	Detail
Brand	HJC
Model Name	C91 (I91 Semi-Flat Helmet)
Item Model Number	0847-0135-07
Manufacturer Part Number	0848-0135-07
Shell Type	Polycarbonate Composite
Certification	DOT, FMVSS 218
Vehicle Service Type	Motorcycle
Item Weight	Approximately 6.09 pounds
Product Dimensions	Approximately 15 x 11 x 11 inches
Color (as reviewed)	Semi Flat Black
Special Features	Modular design, Integrated Sun Visor, Pinlock Prepared Shield, Smart HJC Ready

9. WARRANTY AND SUPPORT

For warranty information, specific product support, or to inquire about replacement parts, please refer to the official HJC Helmets website or contact HJC customer service directly. Keep your proof of purchase for any warranty claims.