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HJC RPHA 12 Solid

HJC RPHA 12 Solid Motorcycle Helmet User Manual

Model: RPHA 12 Solid

1. Product Overview

The HJC RPHA 12 Solid Motorcycle Helmet is designed for rider safety and comfort. It features an advanced shell construction and a comprehensive ventilation system. This helmet is certified to meet or exceed U.S. Department of Transportation (DOT) FMVSS No. 218 standards, ensuring a high level of protection.

Key features include a Premium Integrated Matrix (P.I.M. EVO) shell made with Carbon-Aramid Hybrid and Natural Fibers, offering enhanced shock resistance and a lightweight feel. Its aerodynamic shell ensures stability at high speeds, while the Double D-ring closure provides a secure fit. The helmet also includes a Pinlock-ready HJ-42 shield with 99% UV protection and an anti-scratch coating, and a wider eye port for enhanced peripheral vision.



Figure 1: Front-left view of the HJC RPHA 12 Solid Motorcycle Helmet.

2. What's in the Box

Upon opening the package, verify that all components are present:

- HJC RPHA 12 Solid Motorcycle Helmet
- HJ-42 Pinlock Ready Clear Visor (pre-installed or included)
- Dark Smoke Visor
- Pinlock Lens
- Chin Curtain
- Breath Deflector
- User Manual (this document)

3. Setup and Initial Use

3.1 Initial Inspection

Before first use, carefully inspect the helmet for any signs of damage that may have occurred during shipping. Check the shell, visor, chin strap, and interior padding for integrity. Do not use the helmet if any damage is observed.

3.2 Sizing and Fit

A properly fitting helmet is crucial for safety. 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 top of your head touches the crown padding.
2. Fasten the Double D-ring chin strap securely. It should be tight enough that you cannot slip your fingers between the strap and your chin.
3. With the strap fastened, try to move the helmet from side to side and up and down. Your skin should move with the helmet, indicating a snug fit. The helmet should not slide independently.
4. Ensure your field of vision is unobstructed. The wider eye port of the RPHA 12 is designed to enhance peripheral vision.

Refer to the HJC size guide for detailed measurements if you are unsure about your size. An improperly fitted helmet can compromise its protective capabilities.



Figure 2: Side view of the HJC RPHA 12 Solid Motorcycle Helmet, showing the visor and ventilation.

4. Operating the Helmet

4.1 Visor Operation and Replacement

The HJ-42 Pinlock-ready shield provides 99% UV protection and features an anti-scratch coating. The two-way pivot ratchet system ensures smooth movement and improved sealing.

- **Opening/Closing Visor:** Use the tab located at the bottom center of the visor to smoothly raise or lower it.
- **Visor Removal:** To remove the visor, open it fully. Locate the release levers on each side of the helmet's base plate. Follow the specific instructions in the detailed manual (not provided here) for your helmet model to disengage the visor.
- **Visor Installation:** Align the visor mechanism with the base plate and press firmly until it clicks into place. Ensure both sides are securely attached before riding.
- **Pinlock Installation:** The included Pinlock lens should be installed on the inside of the visor according to the Pinlock manufacturer's instructions to prevent fogging.

4.2 Ventilation System

The RPHA 12 features a full front-to-back ventilation system designed to expel heat and humidity, ensuring a cooler and more comfortable ride. Locate the adjustable vents on the chin bar, forehead, and rear of the helmet. Open or close these vents as needed to regulate airflow.



Figure 3: Rear-side view showing the aerodynamic shell and rear ventilation outlets.

5. Maintenance

5.1 Cleaning the Helmet

- **Exterior 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 helmet's finish and materials.
- **Visor:** Clean the visor with a soft, damp cloth and mild soap. Rinse thoroughly with clean water and allow to air dry. Do not use abrasive materials or chemical cleaners on the visor.
- **Interior Padding:** The crown and cheek pads are removable and washable. Hand wash them with mild soap and cool water, then air dry completely before re-installing. Ensure all padding is dry to prevent mildew.
- **Chin Strap:** Clean the chin strap with mild soap and water. Allow it to air dry completely.

5.2 Storage

Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures. Avoid storing it near chemicals or solvents that could degrade the helmet materials. Use a helmet bag to protect it from scratches and dust.

6. Troubleshooting

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

- **Visor Fogging:** Ensure the Pinlock lens is correctly installed. If fogging persists, check for proper ventilation or consider applying an anti-fog treatment to the visor.
- **Helmet Feels Loose:** Re-check the chin strap adjustment. If the helmet still feels loose, it may be the incorrect size. A snug fit is essential for safety.
- **Excessive Noise:** Ensure all vents are closed if you desire less airflow. Check that the visor is fully closed and sealed.
- **Difficulty Removing/Installing Visor:** Refer to the detailed instructions provided with your helmet for the specific visor mechanism. Do not force the visor, as this can cause damage.

For issues not covered here, please contact HJC customer support.

7. Specifications

Feature	Detail
Model Name	RPHA 12 Solid
Brand	HJC
Safety Rating	DOT Certified (FMVSS 218)
Shell Material	Premium Integrated Matrix (P.I.M. EVO) - Carbon-Aramid Hybrid and Natural Fibers
Visor Type	HJ-42 Pinlock Ready, 99% UV Protection, Anti-scratch
Closure Type	Double D-ring
Ventilation	Full front-to-back airflow system
Interior	Moisture-wicking, quick-drying fabric; Removable and washable crown and cheek pads
Emergency Kit	Cheek pads designed for quick rescue removal
Approx. Item Weight	3.46 pounds (1.57 kg)
Product Dimensions	15 x 11 x 11 inches (approx.)
UPC	190501249067

8. Warranty and Support

For information regarding product warranty, please refer to the official HJC website or contact HJC customer support directly. Keep your proof of purchase for any warranty claims.

For further assistance or detailed inquiries, you may visit the official HJC store on Amazon:HJC Store.

9. Important Safety Information and Legal Disclaimer

This helmet is designed to provide protection in the event of an impact. However, no helmet can protect the wearer from all foreseeable impacts. Always ride responsibly and adhere to all traffic laws.

DOT FMVSS 218 Compliance: This item complies with US Federal Motor Vehicle Safety Standard 218 (FMVSS 218) (DOT FMVSS No. 218 Certified).

Proposition 65 Warning: This product may contain chemicals 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.

Always replace your helmet after any significant impact, even if visible damage is not apparent. The structural integrity may be compromised.

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