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> [HJC RPHA 31 Solid Motorcycle Helmet User Manual](#)

HJC RPHA 31

HJC RPHA 31 Solid Motorcycle Helmet User Manual

1. SAFETY INFORMATION

1.1 DOT Certification

The HJC RPHA 31 helmet is designed and tested to meet or exceed U.S. Department of Transportation (DOT) FMVSS No. 218 standards. This certification confirms that the helmet has undergone rigorous testing for energy absorption, penetration resistance, and chin strap retention, ensuring a high level of protection for the rider.

1.2 General Safety Guidelines

- Always wear a properly fitted helmet. An ill-fitting helmet may not provide adequate protection.
- Inspect your helmet for any damage before each ride. Do not use a damaged helmet.
- Replace your helmet immediately after any impact, even if visible damage is not apparent. The protective capabilities may be compromised.
- Ensure the chin strap is securely fastened and adjusted for a snug fit under your chin.
- Never modify your helmet. Modifications can compromise its structural integrity and protective features.

2. PRODUCT OVERVIEW

The HJC RPHA 31 is a high-performance motorcycle helmet designed for comfort, safety, and aerodynamic efficiency. It features advanced materials and a user-friendly design for an optimal riding experience.



Image: HJC RPHA 31 Solid Motorcycle Helmet in Semi Flat Titanium. This image displays the helmet's overall shape, main visor, and integrated sun visor mechanism.

2.1 Key Features

- **DOT-Approved Safety:** Meets FMVSS 218 standards for comprehensive protection.
- **PINLOCK READY HJ-39 Shield:** Provides 99% UV protection and an anti-scratch coating. Designed for Pinlock anti-fog insert compatibility.
- **Premium Integrated Matrix EVO Carbon Exterior:** Constructed for superior shock resistance, lightweight comfort, and durability. Features an aerodynamic design to reduce drag and enhance stability.
- **Comfortable Interior:** Equipped with a hygienic fabric that wicks moisture and dries quickly. Crown and cheek pads are removable and washable for easy maintenance.
- **Advanced Ventilation System:** Full front-to-back airflow with 2 intake vents and 4 exhaust vents to manage heat and humidity.
- **SMART HJC Bluetooth System Ready:** Prepared for integration with SMART HJC 21B & 50B Bluetooth communication systems (sold separately).

3. SETUP

3.1 Initial Inspection

Upon unpacking, carefully inspect the helmet for any signs of shipping damage. Ensure all components, including the HJ-39 shield and sun visor, are present and securely attached.

3.2 Shield Installation and Adjustment

The HJ-39 shield is designed for quick and secure attachment via its ratchet system. Ensure the shield is properly seated in its mechanism. The dark smoke sun visor is pre-installed and features a 3-step adjustable positioning. Familiarize yourself with its operation before riding.

3.3 Fitting the Helmet

Place the helmet on your head, ensuring it fits snugly without excessive pressure points. The helmet should not move freely when you shake your head. Fasten the chin strap firmly, ensuring it is tight enough to prevent the helmet from rolling off your head but not uncomfortably restrictive.

4. OPERATING

4.1 Ventilation System

The RPHA 31 features a comprehensive ventilation system with two intake vents at the front and four exhaust vents at the rear. Adjust these vents as needed to control airflow and maintain comfort during your ride. Open vents increase airflow, while closing them reduces it.

4.2 Sun Visor Operation

The integrated sun visor can be adjusted to three different positions to adapt to varying light conditions. Use the dedicated lever or mechanism on the helmet to deploy or retract the sun visor. Ensure it is fully retracted when not in use to avoid obstructing your vision.

4.3 Pinlock Shield Use

The HJ-39 shield is Pinlock ready. If your helmet did not come with a Pinlock insert pre-installed, you can install one to prevent fogging. Follow the instructions provided with the Pinlock insert for proper installation and maintenance.

4.4 Bluetooth System Readiness

The HJC RPHA 31 helmet is designed for seamless integration with SMART HJC 21B & 50B Bluetooth communication systems. These systems are sold separately. Refer to the specific user manual for your SMART HJC Bluetooth system for detailed installation and operation instructions.

5. MAINTENANCE

5.1 Cleaning the Exterior

Clean the helmet's exterior shell with a soft cloth and mild soap diluted in lukewarm water. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the helmet's finish and materials. Rinse thoroughly and air dry.

5.2 Cleaning the Interior

The crown and cheek pads of the RPHA 31 are removable and washable. Carefully detach them from the helmet. Hand wash them using a mild soap and cold water. Allow them to air dry completely before re-installing them into the helmet. Ensure they are fully dry to prevent mildew.

5.3 Shield Care

Clean the HJ-39 shield with a soft, lint-free cloth and a specialized helmet visor cleaner or mild soap and water. Do not use abrasive materials or paper towels, as they can scratch the shield's surface. For Pinlock inserts, follow the cleaning instructions provided with the insert.

5.4 Storage

Store your helmet in a cool, dry place, away from direct sunlight and extreme temperatures. Use a helmet bag to protect it from dust and scratches when not in use. Avoid storing it near chemicals or fuels that could degrade the helmet materials.

6. TROUBLESHOOTING

6.1 Visor Issues

If the visor does not close completely or appears loose, inspect the shield's ratchet mechanism for proper alignment or damage. Ensure no debris is obstructing the mechanism. If parts are broken, a replacement shield or mechanism components may be necessary. Consult an authorized HJC dealer for assistance.

6.2 Fit Discomfort

If you experience discomfort, particularly on the forehead, ensure the helmet is correctly sized and positioned on your head. The internal padding is designed to conform over time, but if discomfort persists, verify the helmet size or consider if alternative padding options are available from HJC.

6.3 Excessive Wind Noise

Ensure the HJ-39 shield is fully closed and properly sealed against the helmet's gasket. Check that all ventilation ports are closed if you are trying to minimize noise. A snug fit around the neck roll can also help reduce wind intrusion.

7. SPECIFICATIONS

Feature	Detail
Manufacturer	HJC Helmets
Brand	HJC
Model	RPHA 31 Solid
Item Weight	3.46 pounds
Product Dimensions	15 x 11 x 11 inches
Item Model Number	0826-0147-05
Manufacturer Part Number	190501240859
Safety Rating	DOT Certified
Date First Available	December 19, 2022

8. WARRANTY AND SUPPORT

For detailed information regarding the warranty coverage for your HJC RPHA 31 helmet, please refer to the official HJC website or the warranty card included with your purchase. It is recommended to retain your purchase receipt as proof of purchase for any warranty claims. For technical support or inquiries about replacement parts, please contact an authorized HJC dealer or HJC customer service directly.