

Razor RSF650

Razor RSF650 Electric Bike User Manual

Model: RSF650

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1. PRODUCT OVERVIEW

The Razor RSF650 Electric Bike is designed for riders aged 16 and up, offering an exciting electric riding experience. It features a 650-watt high-torque, chain-driven motor, a durable steel trellis-frame chassis, and a 36V rechargeable battery. This manual provides essential information for the safe assembly, operation, and maintenance of your RSF650.



Image: The Razor RSF650 Electric Bike, showcasing its design and components.

2. IMPORTANT SAFETY INFORMATION

WARNING: Riding an electric bike can be a hazardous activity. Always wear appropriate safety gear, including a helmet, elbow pads, and knee pads. Adult supervision is recommended for younger riders, even if they meet the age requirement.

- **Age Requirement:** Suitable for riders aged 16 and up.
- **Weight Limit:** Maximum rider weight is 220 lbs (100 kg).
- **Protective Gear:** Always wear a properly fitted helmet, and other protective gear.
- **Riding Environment:** Ride in safe, open areas away from vehicular traffic. Avoid riding on public roads, uneven terrain, or near water.
- **Pre-Ride Check:** Before each ride, inspect the brakes, tires, and all connections to ensure they are secure and functioning correctly.
- **Battery Safety:** Use only the charger provided. Do not modify the electrical system. Keep the battery away from extreme temperatures.

3. INCLUDED COMPONENTS

Your Razor RSF650 package includes the following items:

- Razor RSF650 Electric Bike
- Battery Charger

- Owner's Manual (this document)



Image: Side view of the RSF650, highlighting the frame and battery compartment.

4. ASSEMBLY AND INITIAL SETUP

The Razor RSF650 comes largely pre-assembled. The primary assembly step involves attaching the handlebars. Ensure all connections are secure before initial use.

4.1 Handlebar Installation

1. Carefully remove the bike from its packaging.
2. Locate the handlebars and align them with the triple clamp on the front fork.
3. Secure the handlebars using the provided bolts and tools. Ensure they are centered and tightened firmly to prevent movement during operation.



Image: Close-up of the RSF650 handlebars, showing the controls and front assembly.

4.2 Battery Charging

The RSF650 is powered by a 36V sealed lead-acid rechargeable battery. For optimal performance and battery longevity, follow these charging instructions:

1. Before first use, fully charge the battery for a minimum of 12 hours.
2. Connect the charger to the charging port, typically located near the battery compartment.
3. Plug the charger into a standard wall outlet. The charger indicator light will show the charging status (e.g., red for charging, green for fully charged).
4. Subsequent charges typically take 8-10 hours. Do not overcharge the battery.
5. The battery compartment is designed for quick access, allowing for easy battery removal if needed for charging or replacement.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and practice in a safe, open area before attempting higher speeds.

5.1 Starting the Bike

1. Ensure the battery is fully charged and properly installed in its compartment.
2. Locate and turn on the main power switch.
3. Place both feet on the folding foot pegs.

5.2 Acceleration and Braking

1. To accelerate, gently twist the right-hand grip (variable speed twist-grip throttle) towards you.
2. To slow down or stop, release the throttle and apply the hand-operated rear disc brakes. Practice smooth acceleration and braking.

5.3 Riding Tips

- Maintain a balanced posture.
- Keep both hands on the handlebars at all times.
- Be aware of your surroundings and potential obstacles.
- The RSF650 can reach speeds up to 17 MPH and offers up to 50 minutes of continuous ride time, depending on rider weight and terrain.

Video: A demonstration of the Razor RSF650 Electric Bike in operation, showcasing its maneuverability and speed.



Image: A rider demonstrating the use of the Razor RSF650 Electric Bike.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your RSF650.

- **Battery Care:** Always recharge the battery after each use. If the bike is not used for extended periods, charge the battery at least once a month.
- **Tire Pressure:** Check tire pressure regularly. The 14-inch 10-spoke mag wheels are fitted with street tires;

refer to the tire sidewall for recommended pressure.

- **Brakes:** Inspect the hand-operated rear disc brakes for proper function and wear. Adjust or replace brake components as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth power delivery.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using harsh chemicals or high-pressure water sprays, which can damage electrical components.
- **Storage:** Store the bike in a dry, cool place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Razor RSF650.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or improperly connected; power switch off	Ensure battery is fully charged and securely connected. Turn power switch to 'ON'.
Reduced speed or ride time	Low battery charge; heavy load; riding uphill	Fully charge the battery. Reduce rider weight if exceeding limits. Avoid continuous uphill riding.
Brakes not effective	Brake pads worn; brake cable loose	Inspect brake pads and replace if worn. Adjust brake cable tension.
Unusual noises during operation	Loose components; dry chain	Check all bolts and connections for tightness. Lubricate the drive chain.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact Razor customer support.

8. PRODUCT SPECIFICATIONS

Feature	Detail
Model	RSF650
Motor	650-watt, high-torque, chain-driven
Battery	36V (three 12V) sealed lead-acid, rechargeable
Max Speed	Up to 17 MPH (27 km/h)
Ride Time	Up to 50 minutes of continuous use
Age Range	16 and up
Max Rider Weight	220 lbs (100 kg)
Frame Material	Steel trellis-frame chassis
Wheels	Custom 14-inch 10-spoke mag wheels with street tires
Brakes	Hand-operated rear disc brakes
Suspension	Rear suspension

Feature	Detail
Dimensions (LxWxH)	53.3 x 26 x 30.7 inches (135.4 x 66 x 78 cm)
Item Weight	64.86 lbs (29.4 kg)

9. WARRANTY AND CUSTOMER SUPPORT

9.1 Manufacturer's Warranty

The Razor RSF650 Electric Bike is covered by a **2-year manufacturer's limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full details regarding warranty terms, conditions, and exclusions, refer to the official warranty documentation included with your product or visit the official Razor website.

9.2 Customer Support

For technical assistance, replacement parts, or any questions regarding your Razor RSF650, please contact Razor customer service. Contact information can typically be found on the Razor website or on the product packaging.

Razor USA, LLC

Phone: +1 866 467 2967 (for US and Canada)

Website: www.razor.com


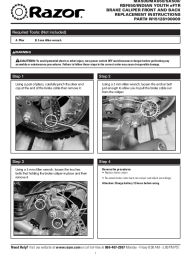
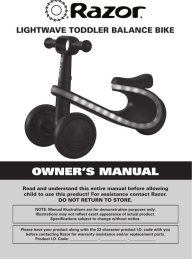
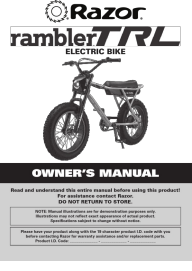

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Related Documents - RSF650



[Razor RSF650 Youth Electric Sport Bike Owner's Manual and Safety Guide](#)

This owner's manual provides essential information for the Razor RSF650 Youth Electric Sport Bike, including safety warnings, assembly instructions, charging procedures, maintenance tips, troubleshooting guidance, and a parts list. Designed for riders aged 16 and up, it emphasizes safe operation and proper care of the electric bike.

 <p>Razor E PRIME™ ELECTRIC SCOOTER</p> <p>OWNER'S MANUAL</p> <p>Read and understand this entire manual before attempting to use this product. For assistance contact Razor. DO NOT RETURN TO STORE.</p> <p>With Razor's reputation for safety, we've designed our products with safety in mind. Please read this manual carefully and follow all instructions. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age.</p>	<p>Razor E Prime Electric Scooter Owner's Manual and Safety Guide</p> <p>Comprehensive guide to the Razor E Prime Electric Scooter, covering safety warnings, assembly instructions, operation, charging, maintenance, troubleshooting, parts identification, warranty, and contact information.</p>
 <p>Razor</p> <p>BRAKE CALIPER REPLACEMENT INSTRUCTIONS</p> <p>Read and understand this entire manual before attempting to use this product. For assistance contact Razor. DO NOT RETURN TO STORE.</p> <p>With Razor's reputation for safety, we've designed our products with safety in mind. Please read this manual carefully and follow all instructions. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age.</p>	<p>Razor Electric Scooter Brake Caliper Replacement Instructions</p> <p>Step-by-step guide for replacing the front and back brake caliper on Razor MX500, MX650, SX500, RSF650, and Indian Youth eFTR electric scooters. Includes required tools and safety precautions.</p>
 <p>Razor LIGHTWAVE TODDLER BALANCE BIKE</p> <p>OWNER'S MANUAL</p> <p>Read and understand this entire manual before attempting to use this product. For assistance contact Razor. DO NOT RETURN TO STORE.</p> <p>With Razor's reputation for safety, we've designed our products with safety in mind. Please read this manual carefully and follow all instructions. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age.</p>	<p>Razor Lightwave Toddler Balance Bike Owner's Manual</p> <p>This owner's manual provides essential safety warnings, assembly instructions, light mode operation, maintenance guidelines, and customer support information for the Razor Lightwave Toddler Balance Bike.</p>
 <p>Razor rambler[™] TRL ELECTRIC BIKE</p> <p>OWNER'S MANUAL</p> <p>Read and understand this entire manual before attempting to use this product. For assistance contact Razor. DO NOT RETURN TO STORE.</p> <p>With Razor's reputation for safety, we've designed our products with safety in mind. Please read this manual carefully and follow all instructions. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age.</p>	<p>Razor Rambler TRL Adult Electric Bike Owner's Manual</p> <p>Comprehensive owner's manual for the Razor Rambler TRL adult electric bike, covering safety warnings, assembly, operation, maintenance, troubleshooting, and warranty information.</p>
 <p>Razor dirt rocket[™] SX500, MX500 and MX650</p> <p>OWNER'S MANUAL</p> <p>Read and understand this entire manual before attempting to use this product. For assistance contact Razor. DO NOT RETURN TO STORE.</p> <p>With Razor's reputation for safety, we've designed our products with safety in mind. Please read this manual carefully and follow all instructions. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age. Please keep your product away from children under 14 years of age.</p>	<p>Razor Dirt Rocket SX500, MX500, MX650 Owner's Manual</p> <p>This owner's manual provides essential safety information, assembly instructions, charging procedures, usage guidelines, repair and maintenance procedures, and troubleshooting tips for the Razor Dirt Rocket SX500, MX500, and MX650 electric motor bikes.</p>