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› [Fuel OFF-ROAD](#) /

› FUEL OFF-ROAD D864 Hurricane 20x10 Wheel Instruction Manual

Fuel OFF-ROAD D864 Hurricane

FUEL OFF-ROAD D864 Hurricane Wheel Instruction Manual

Model: D864 Hurricane | Part Number: D86420008247

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your new FUEL OFF-ROAD D864 Hurricane 20x10 wheel. Adhering to these instructions will ensure optimal performance and longevity of your product. Please read this manual thoroughly before proceeding with any installation or use.



Figure 1.1: Front view of the FUEL OFF-ROAD D864 Hurricane 20x10 Blackout wheel.

2. SAFETY INFORMATION

Always prioritize safety during installation and maintenance. Improper installation or use can lead to serious injury or vehicle damage. It is highly recommended that wheel installation be performed by a qualified professional.

- **Professional Installation:** For safety and proper fitment, it is strongly advised to have wheels and tires installed by a certified automotive technician.
- **Correct Fitment:** Ensure the wheel's specifications (diameter, width, bolt pattern, offset, backspacing, hub bore) match your vehicle's requirements. Refer to your vehicle's owner's manual or a reputable fitment guide.
- **Torque Specifications:** Always use the vehicle manufacturer's recommended lug nut torque specifications. Over-tightening or under-tightening can cause wheel damage or detachment.
- **Regular Inspection:** Periodically inspect wheels for damage, cracks, or loose lug nuts.
- **Tire Pressure:** Maintain correct tire pressure as specified by your vehicle manufacturer.

3. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your new wheels. Follow these steps carefully or consult a professional.

3.1 Pre-Installation Checks

- Verify that the wheel specifications (20x10, 8x6.5 bolt pattern, -18mm offset, 4.79" backspacing, 125.1mm hub bore) are compatible with your vehicle.
- Inspect each wheel for any shipping damage. Do not install damaged wheels.
- Ensure you have the correct lug nuts for your new wheels. Aftermarket wheels often require specific lug nuts.

3.2 Tire Mounting and Balancing

Tires must be mounted and balanced by a professional using appropriate equipment to prevent damage to the wheel and ensure a smooth ride.

- Use a non-marring tire mounting machine.
- Ensure proper valve stem installation.
- Balance each wheel and tire assembly to eliminate vibrations.

3.3 Vehicle Installation

1. Park the vehicle on a level surface and engage the parking brake.
2. Loosen the lug nuts on the wheel to be removed while the vehicle is still on the ground.
3. Lift the vehicle using a jack and secure it with jack stands.
4. Remove the old wheel.
5. Clean the vehicle's hub mounting surface to ensure a flush fit. Remove any rust, dirt, or debris.
6. Carefully place the new FUEL OFF-ROAD D864 Hurricane wheel onto the hub. Ensure it sits flush against the mounting surface.
7. Install the lug nuts by hand, ensuring they thread smoothly. Do not use power tools for initial tightening.
8. Tighten the lug nuts in a star or crisscross pattern until they are snug.
9. Lower the vehicle until the tire just touches the ground, then tighten the lug nuts to the vehicle manufacturer's recommended torque specification using a calibrated torque wrench. Follow the star pattern.
10. Fully lower the vehicle and remove the jack and jack stands.



Figure 3.1: Angled view of the D864 Hurricane wheel, highlighting its design and depth.

3.4 Post-Installation

After driving approximately 50-100 miles, re-torque all lug nuts to ensure they remain properly seated. This is a critical safety step.

4. OPERATING CONSIDERATIONS

Once installed, your FUEL OFF-ROAD D864 Hurricane wheels are designed for robust performance. However, consider the following:

- **Driving Conditions:** While designed for off-road use, extreme impacts can damage wheels. Exercise caution on rough terrain.
- **Tire Compatibility:** Ensure tires mounted on these wheels are appropriate for the wheel size and intended use.
- **Load Capacity:** Do not exceed the wheel's maximum load index of 2200 lbs.

5. MAINTENANCE

Regular maintenance will preserve the appearance and structural integrity of your wheels.

5.1 Cleaning

The Blackout finish requires specific care to maintain its appearance.

- Use mild soap and water with a soft cloth or sponge.
- Avoid abrasive cleaners, harsh chemicals, or stiff brushes, as these can damage the finish.

- Rinse thoroughly with clean water and dry immediately to prevent water spots.

5.2 Inspection

Regularly inspect your wheels for any signs of wear or damage.

- Check for cracks, bends, or dents, especially after encountering potholes or off-road obstacles.
- Ensure lug nuts are tight. Re-torque if necessary.
- Monitor tire pressure weekly.



Figure 5.1: Detailed front view of the D864 Hurricane wheel, showcasing the Blackout finish.

6. TROUBLESHOOTING

If you experience issues with your wheels, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Vehicle Vibration	Unbalanced wheels, bent wheel, loose lug nuts, improper tire mounting.	Have wheels re-balanced, inspect for damage, re-torque lug nuts, verify proper tire mounting.
Unusual Noise	Loose lug nuts, wheel rubbing against suspension/brakes.	Re-torque lug nuts, check for proper clearance, consult a professional.
Air Loss from Tire	Improper tire bead seal, damaged valve stem, tire puncture, bent rim.	Inspect tire and wheel for damage, have tire re-seated, replace valve stem, repair puncture.

For issues not listed or if problems persist, contact a qualified automotive technician or Fuel OFF-ROAD customer support.

7. SPECIFICATIONS

Detailed specifications for the FUEL OFF-ROAD D864 Hurricane 20x10 Blackout wheel:

- **Brand:** Fuel OFF-ROAD
- **Model:** D864 Hurricane
- **Size:** 20X10
- **Bolt Pattern:** 8x165.1 (8x6.5")
- **Offset:** -18mm
- **Backspacing:** 4.79"
- **Hub Bore:** 125.1mm
- **Finish:** Blackout
- **Item Weight:** 49.5 Pounds
- **Load Index:** 2200 lbs
- **UPC:** 194933332472
- **Manufacturer Part Number:** D86420008247

8. WARRANTY INFORMATION

Fuel OFF-ROAD wheels are backed by a manufacturer's warranty against defects in material and workmanship. Specific warranty terms and conditions, including duration and coverage details, are typically provided with the product packaging or available on the official Fuel OFF-ROAD website. Please retain your proof of purchase for warranty claims.

9. SUPPORT

For technical assistance, warranty inquiries, or further information regarding your FUEL OFF-ROAD D864 Hurricane wheel, please contact Fuel OFF-ROAD customer support directly. Contact details can typically be found on the manufacturer's official website or product packaging.

Online Resources: Visit the official [FUEL OFF-ROAD Store on Amazon](#) for additional product information and support.

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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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