

Fuel D80320001747

FUEL OFF-ROAD D803 FLAME Wheel User Manual

Model: D80320001747 | Brand: Fuel

INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and care of your new Fuel Off-Road D803 Flame wheel. Please read this manual thoroughly before installation and retain it for future reference. Adhering to these guidelines will ensure optimal performance and longevity of your wheel.

PRODUCT OVERVIEW

The Fuel Off-Road D803 Flame wheel is designed for durability and performance, featuring a distinctive gloss black milled finish. Key specifications include:

- **Wheel Style:** D803 Flame 8
- **Wheel Size:** 20x10 inches
- **Bolt Pattern:** 8x170
- **Offset:** -18mm
- **Finish:** Gloss Black Milled



Figure 1: Front view of the Fuel Off-Road D803 Flame wheel, showcasing its gloss black milled finish and spoke design.

SETUP AND INSTALLATION

Proper installation is crucial for safety and performance. It is highly recommended that wheel installation be performed by a certified professional. Incorrect installation can lead to serious injury or damage.

Pre-Installation Checklist:

1. Verify that the wheel specifications (size, bolt pattern, offset, hub bore) match your vehicle's requirements. The hub bore for this wheel is 125.1mm.
2. Inspect the wheel for any shipping damage or manufacturing defects before mounting tires.
3. Ensure you have the correct lug nuts for the wheel and your vehicle.
4. Confirm that the tires selected are compatible with the wheel size (20x10 inches).

Installation Steps:

1. Safely lift and support the vehicle using appropriate jack stands.
2. Remove the old wheels.

3. Clean the vehicle's hub mounting surface to ensure a flush fit.
4. Mount the new wheel onto the hub, ensuring it seats properly.
5. Install lug nuts by hand, ensuring they are not cross-threaded.
6. Lower the vehicle partially until the tires just touch the ground.
7. Torque the lug nuts to the vehicle manufacturer's recommended specifications using a calibrated torque wrench. Torque in a star pattern to ensure even pressure.
8. Lower the vehicle completely.
9. After 50-100 miles of driving, re-torque all lug nuts to ensure they remain properly tightened.



Figure 2: Angled view of the D803 Flame wheel, highlighting the intricate milled details on the spokes.

OPERATING CONSIDERATIONS

While wheels do not have "operating" functions in the traditional sense, proper driving habits and awareness are essential for their longevity and your safety.

- **Tire Pressure:** Maintain correct tire pressure as recommended by your vehicle manufacturer. Incorrect pressure

can affect handling, tire wear, and wheel integrity.

- **Road Hazards:** Avoid potholes, curbs, and other road hazards that can cause impact damage to the wheels.
- **Load Capacity:** Do not exceed the maximum load capacity of the wheels or tires.

MAINTENANCE

Regular maintenance will preserve the appearance and structural integrity of your Fuel Off-Road wheels.

Cleaning:

- Clean wheels regularly with mild soap and water.
- Avoid abrasive cleaners, harsh chemicals, or stiff brushes that can damage the finish.
- Rinse thoroughly with clean water and dry with a soft cloth to prevent water spots.
- For stubborn brake dust, use a pH-neutral wheel cleaner specifically designed for automotive wheels.

Inspection:

- Periodically inspect wheels for any signs of damage, such as cracks, bends, or deep scratches.
- Check lug nuts for proper torque at regular intervals, especially after tire rotations or significant impacts.

TROUBLESHOOTING

This section addresses common issues that may arise with automotive wheels.

Problem	Possible Cause	Solution
Vibration or Shaking	Unbalanced tires, bent wheel, loose lug nuts, worn suspension components.	Have tires balanced by a professional. Inspect wheels for damage. Re-torque lug nuts. Have suspension checked.
Uneven Tire Wear	Incorrect tire pressure, improper alignment, worn suspension, bent wheel.	Check and adjust tire pressure. Get wheel alignment. Inspect suspension. Inspect wheels for damage.
Air Leak Around Rim	Improper tire bead seating, damaged tire bead, bent rim flange, corroded rim.	Re-seat tire bead. Inspect tire and wheel for damage. Seek professional repair or replacement if wheel is damaged.

SPECIFICATIONS

Detailed technical specifications for the Fuel Off-Road D803 Flame wheel:

Attribute	Value
Manufacturer	Fuel OFF-ROAD
Brand	Fuel
Model	D803 Flame 8
Item Weight	55.5 pounds

Attribute	Value
Exterior Finish	Gloss Black Milled
Manufacturer Part Number	D80320001747
Rim Diameter	20 Inches
Rim Width	10 Inches
Bolt Pattern (Number of Holes)	8
Bolt Pattern (Pitch Circle Diameter)	170 Millimeters
Backspace	4.79 Inches
Hub Bore	125.1mm

WARRANTY AND SUPPORT

For information regarding warranty coverage and customer support, please refer to the official Fuel Off-Road website or contact your authorized dealer. Retain your proof of purchase for any warranty claims.

For additional assistance or technical inquiries, please visit the [Fuel Off-Road Store on Amazon](#) or contact their customer service directly.