

## Weld 88B-1806275

# Weld Alumastar 1-Piece Wheel Instruction Manual

Model: 88B-1806275

## 1. PRODUCT OVERVIEW

The Weld Alumastar 2.0 one-piece wheel is engineered for high-performance applications, notably in Pro Mod and Pro Stock racing. Its iconic five-spoke design features a one-piece forged construction, which contributes to a lighter, stronger wheel with minimal run-out, enhancing vehicle performance and handling.



Image 1.1: The Weld Alumastar 1-Piece Black Wheel. This image displays the wheel's five-spoke design, black finish, and polished accents on the spokes and rim edge. The "WELD RACING FORGED U.S.A." inscription is visible around the rim.

## 2. WHAT'S IN THE BOX

---

Your Weld Alumastar wheel package includes the following components:

- Forged Wheel (Quantity as ordered)

*Note: Lug nuts, valve stems, and center caps are typically sold separately and are not included unless specified by your retailer.*

## 3. KEY FEATURES

---

- **Forged 6061 Monoblock Construction:** Provides superior strength and durability while reducing unsprung weight.
- **Optimized for Weight Reduction:** Engineered design minimizes mass for improved acceleration and braking.
- **Black Anodized or Polished Finish:** Offers a durable and aesthetically pleasing appearance.

## 4. SETUP AND INSTALLATION

---

Proper installation is crucial for safety and performance. It is highly recommended that wheel installation be performed by a qualified professional technician.

1. **Inspection:** Before installation, carefully inspect each wheel for any signs of damage from shipping. Verify that the wheel specifications (diameter, width, bolt pattern, backspacing) match your vehicle's requirements.
2. **Tire Mounting:** Mount tires according to tire manufacturer guidelines. Ensure proper bead seating and balancing. Use appropriate tire mounting equipment to avoid damaging the wheel finish.
3. **Vehicle Preparation:** Ensure the vehicle's hub mounting surface is clean and free of rust, dirt, or debris.
4. **Wheel Installation:**
  - Carefully place the wheel onto the vehicle's hub.
  - Install lug nuts by hand to prevent cross-threading.
  - Tighten lug nuts in a star pattern using a torque wrench to the vehicle manufacturer's specified torque settings. **Do not use impact wrenches for final tightening.**
5. **Re-torque:** After driving approximately 50-100 miles, re-torque all lug nuts to ensure they remain properly seated.

**WARNING: Incorrect installation or improper torque can lead to wheel detachment, serious injury, or death. Always follow vehicle manufacturer's specifications for lug nut torque.**

## 5. OPERATING AND USAGE

---

Weld Alumastar wheels are designed for performance. Adhere to the following guidelines for optimal use:

- **Tire Pressure:** Maintain correct tire pressure as recommended by your vehicle and tire manufacturers. Check tire pressure regularly.
- **Driving Conditions:** While durable, these wheels are primarily designed for performance applications. Avoid severe impacts with potholes or curbs, which can damage the wheel.
- **Load Capacity:** Do not exceed the maximum load capacity specified for the wheel and tire combination.

## 6. MAINTENANCE

---

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

- **Cleaning:** Clean wheels regularly with mild soap and water. Avoid abrasive cleaners, harsh chemicals, or stiff brushes, which can damage the finish. For anodized finishes, use products specifically designed for anodized aluminum.
- **Inspection:** Periodically inspect wheels for any signs of damage, cracks, bends, or corrosion. If damage is found, have the wheel inspected by a professional immediately.
- **Storage:** If storing wheels for an extended period, clean them thoroughly and store them in a cool, dry place away from direct sunlight and harsh chemicals.

## 7. TROUBLESHOOTING

---

If you experience issues with your wheels, consider the following common troubleshooting steps:

- **Vibration:** If you experience vibration, check tire balance, lug nut torque, and ensure no debris is lodged between the wheel and hub. A bent wheel or damaged tire can also cause vibration.
- **Air Loss:** Check for proper tire bead seating, valve stem integrity, and any punctures in the tire. A cracked wheel can also cause air loss.
- **Unusual Noise:** Investigate any unusual noises coming from the wheel area. This could indicate loose lug nuts, worn bearings, or brake issues.

For persistent issues, consult a professional automotive technician.

## 8. SPECIFICATIONS

Attribute	Value
Brand	Weld
Model	Alumastar 1-Pc Wheels
Item Model Number	88B-1806275
UPC	190300111602
Item Weight	20.8 Pounds
Item Diameter	18 Inches
Color	Black
Vehicle Service Type	Automotive (Car/Truck/SUV)
Manufacturer Part Number	88B-1806275

## 9. SAFETY INFORMATION

**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, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).  
Always wear appropriate personal protective equipment (PPE) when handling or installing wheels and tires.

## 10. WARRANTY AND SUPPORT

For specific warranty details regarding your Weld Alumastar wheels, please refer to the warranty documentation provided with your purchase or visit the official Weld Racing website. Warranty terms typically cover manufacturing defects for a specified period.  
For technical support, installation assistance, or to inquire about replacement parts, please contact Weld Racing customer service directly. Contact information can usually be found on their official website or through your authorized dealer.  
*Please retain your proof of purchase for warranty claims.*

