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> PRO COMP Series 51 Steel Wheel User Manual - 15x8" with 5x4.5" Bolt Pattern

PRO COMP PCW51-5865

PRO COMP Series 51 Steel Wheel User Manual

Model: PCW51-5865

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your PRO COMP Series 51 Steel Wheel. Designed for off-road applications, these wheels are constructed for durability and performance. Please read this manual thoroughly before installation and use to ensure safety and optimal product longevity.

2. SAFETY INFORMATION

WARNING: Improper installation or use of wheels can lead to serious injury or death. Always follow manufacturer's guidelines for wheel and tire installation. Professional installation is recommended.

- Ensure the wheel's specifications (size, bolt pattern, backspacing, load rating) match your vehicle's requirements.
- Always use appropriate safety gear, including eye protection and gloves, during installation.
- Do not exceed the maximum load rating of 1600 lbs per wheel.
- Regularly inspect wheels for damage, cracks, or corrosion. Replace damaged wheels immediately.
- Refer to your vehicle's owner's manual for specific torque specifications for lug nuts.

CALIFORNIA WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

3. PRODUCT OVERVIEW

The PRO COMP Series 51 Steel Wheel is engineered for rugged off-road conditions. It features a gloss black finish for enhanced durability and corrosion resistance. This wheel is designed to accommodate larger, fatter tires due to its specific backspacing.



Figure 1: PRO COMP Series 51 Steel Wheel in Gloss Black finish.



Figure 2: Detailed view of the rim edge and gloss black finish, highlighting the robust construction.

4. SPECIFICATIONS

Feature	Detail
Brand	PRO COMP
Model	Series 51
Item Model Number	PCW51-5865
Wheel Size	15 inches x 8 inches
Bolt Pattern	5 on 4.5 inches (5x114.3mm)
Backspace	3.75 inches
Max Load	1600 lbs
Finish	Gloss Black

Feature	Detail
Material	Alloy Steel
Item Weight	28 pounds
Construction	Cast

5. SETUP AND INSTALLATION

Proper installation is crucial for safety and performance. If you are not experienced with wheel and tire installation, seek professional assistance.

5.1 Pre-Installation Check

- Verify that the wheel's bolt pattern (5 on 4.5 inches) and backspacing (3.75 inches) are compatible with your vehicle.
- Inspect the wheel for any shipping damage or manufacturing defects. Do not install a damaged wheel.
- Ensure you have the correct lug nuts for steel wheels. *Center caps and lug nuts are sold separately and are not included with the wheel.*
- Confirm that the tire size is appropriate for the 15x8 inch wheel and your vehicle.

5.2 Mounting Tires

Tire mounting should be performed by a qualified technician using appropriate equipment to prevent damage to the wheel or tire. Ensure proper bead seating and balancing.



Figure 3: A PRO COMP Series 51 Steel Wheel with a tire mounted, ready for installation on a vehicle.

5.3 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 replaced or installed.
3. Safely lift the vehicle using a jack and secure it with jack stands.
4. Remove the old wheel (if applicable).
5. Clean the wheel hub and mounting surface to ensure proper seating.
6. Mount the PRO COMP Series 51 Steel Wheel onto the hub, aligning the bolt holes.
7. Install the lug nuts and hand-tighten them.
8. Lower the vehicle until the tire just touches the ground.
9. Using a torque wrench, tighten the lug nuts in a star pattern to the vehicle manufacturer's specified torque. *Do not overtighten.*
10. Fully lower the vehicle and remove the jack and jack stands.
11. Re-check lug nut torque after 50-100 miles of driving.

6. OPERATING GUIDELINES

These wheels are designed for both on-road and off-road use. Adhere to the following guidelines for optimal performance and safety:

- Maintain correct tire pressure as recommended by your tire manufacturer and vehicle specifications.
- Avoid sudden impacts with curbs, potholes, or off-road obstacles that could damage the wheel.
- When off-roading, be mindful of terrain that could cause excessive stress or impact to the wheels.
- Do not exceed the maximum load rating of the wheel.

7. MAINTENANCE

Regular maintenance will extend the life and preserve the appearance of your PRO COMP Series 51 Steel Wheels.

- **Cleaning:** Clean the wheels regularly with mild soap and water. Avoid abrasive cleaners, harsh chemicals, or stiff brushes that can damage the gloss black finish.
- **Inspection:** Periodically inspect the wheels for any signs of damage, such as dents, cracks, bends, or excessive corrosion. Pay close attention to the bead seating area and bolt holes.
- **Torque Check:** Re-check lug nut torque periodically, especially after off-road excursions or significant temperature changes.
- **Balancing:** If you notice vibrations while driving, have your wheels and tires re-balanced by a professional.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Vibration while driving	Unbalanced wheel/tire, loose lug nuts, damaged wheel/tire.	Have wheels/tires balanced. Check and re-torque lug nuts. Inspect for damage.
Air leak around rim	Improper tire bead seating, damaged valve stem, rim damage.	Re-seat tire bead. Replace valve stem. Inspect rim for damage. Seek professional help.

Problem	Possible Cause	Solution
Corrosion/Rust on wheel	Exposure to harsh elements, lack of cleaning, damage to powder coating.	Clean regularly. Repair powder coating if minor. Replace if severe structural corrosion.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your PRO COMP Series 51 Steel Wheels, please contact PRO COMP customer service directly. Keep your purchase receipt as proof of purchase.

Visit the PRO COMP Store: [PRO COMP Store on Amazon](#)