

ALCAR 6745

ALCAR Steel Rim 6745 5.5Jx14 ET45 4x100 Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the ALCAR Steel Rim, model 6745. It covers product specifications, proper installation procedures, and essential maintenance guidelines to ensure safe and reliable operation. Please read this manual thoroughly before installation and use.

2. PRODUCT OVERVIEW

The ALCAR Steel Rim 6745 is a durable and reliable wheel designed for passenger cars, compatible with models such as Toyota Corolla and Cordoba. It features a robust steel construction and a black painted finish, suitable for various driving conditions.

Key Features:

- **Material:** High-quality Steel
- **Finish:** Black Painted
- **Compatibility:** Designed for specific passenger car models (e.g., Toyota Corolla, Cordoba)
- **Durability:** Engineered for long-lasting performance and resistance to wear.



Figure 2.1: Front view of the ALCAR Steel Rim 6745, showcasing its design and bolt pattern.



Figure 2.2: Close-up view of the ALCAR Steel Rim 6745, highlighting the 4x100 bolt pattern and central hub area.

3. SETUP AND INSTALLATION

Proper installation is crucial for the safety and performance of your vehicle. It is highly recommended that wheel installation be performed by a qualified professional or a certified automotive technician.

General Installation Steps:

1. **Vehicle Preparation:** Park the vehicle on a flat, stable surface. Engage the parking brake and use wheel chocks.
2. **Lifting the Vehicle:** Safely lift the vehicle using a jack and secure it with jack stands.
3. **Remove Old Wheel:** Loosen and remove the lug nuts, then carefully remove the old wheel.
4. **Inspect Hub:** Clean the wheel hub surface, removing any rust or debris to ensure proper seating of the new rim.
5. **Mount New Rim:** Carefully place the ALCAR Steel Rim onto the wheel studs, ensuring it sits flush against the hub.
6. **Install Lug Nuts:** Hand-tighten the lug nuts in a star pattern.
7. **Lower Vehicle:** Lower the vehicle until the tire just touches the ground.
8. **Final Torque:** Using a torque wrench, tighten the lug nuts to the vehicle manufacturer's specified torque settings, again in a star pattern.
9. **Post-Installation Check:** After driving approximately 50-100 miles, re-check the lug nut torque to ensure they remain properly tightened.

Warning: Incorrect installation can lead to wheel detachment, loss of vehicle control, and serious injury or death. Always follow vehicle manufacturer's guidelines and consult a professional if unsure.

4. OPERATING

Once properly installed, the ALCAR Steel Rim operates as a standard automotive wheel. Ensure that the tire mounted on the rim is appropriate for your vehicle's specifications and driving conditions. Always adhere to

recommended tire pressures and load capacities.

5. MAINTENANCE

Regular maintenance extends the life of your ALCAR Steel Rims and ensures continued safety.

Maintenance Schedule:

- **Regular Cleaning:** Clean rims regularly with mild soap and water to remove dirt, brake dust, and road salt. Avoid harsh chemicals or abrasive cleaners that can damage the finish.
- **Visual Inspection:** Periodically inspect the rims for any signs of damage, such as bends, cracks, or corrosion. Address any issues promptly.
- **Tire Pressure:** Maintain correct tire pressure as specified by your vehicle manufacturer. Incorrect pressure can affect tire wear and rim integrity.
- **Wheel Balancing:** Ensure wheels are balanced when tires are mounted or rotated to prevent vibrations and uneven tire wear.
- **Lug Nut Torque:** Re-check lug nut torque periodically, especially after tire rotations or any service involving wheel removal.

6. TROUBLESHOOTING

If you experience issues with your ALCAR Steel Rims, consider the following common troubleshooting steps:

- **Vibrations:** If you feel vibrations while driving, especially at certain speeds, it may indicate an unbalanced wheel or a bent rim. Have the wheels inspected and balanced by a professional.
- **Uneven Tire Wear:** This can be caused by improper tire pressure, misalignment, or an issue with the wheel itself. Check tire pressure and consult a technician for alignment and wheel inspection.
- **Loose Lug Nuts:** If you hear clicking noises or feel a wobble, immediately pull over safely and check if lug nuts are loose. Tighten them to specification or seek professional assistance.
- **Air Leakage:** If a tire consistently loses air, inspect the rim for damage, especially around the bead seat. A damaged rim can prevent a proper seal.

For any persistent or severe issues, consult a certified automotive technician.

7. SPECIFICATIONS

Specification	Value
Brand	ALCAR
Model	6745
Rim Size	14 Inches
Rim Width	5.5J
Offset (ET)	45
Bolt Pattern	4x100
Pitch Circle Diameter	100 Millimeters

Specification	Value
Vehicle Service Type	Passenger Car
Load Index	650
Color	Silver (Painted Black)
Item Weight	18.92 pounds

8. WARRANTY AND SUPPORT

For specific warranty information regarding your ALCAR Steel Rim, please refer to the documentation provided at the time of purchase or contact ALCAR customer service directly. General product support and technical assistance can be obtained through authorized ALCAR dealers or their official website. Always retain your proof of purchase for warranty claims.

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