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> Empi 8 Spoke Wheels & Lug Nuts User Manual

Empi 00-9684-Set Of 4 With Lugs

Empi 8 Spoke Wheels & Lug Nuts User Manual

Model: 00-9684-Set Of 4 With Lugs

PRODUCT OVERVIEW

This manual provides essential information for the installation, maintenance, and care of your Empi 8 Spoke Wheels. These polished aluminum wheels are designed for classic Volkswagen Bug, Karmann Ghia, and Porsche models, featuring a 4x130mm lug bolt pattern and a 15-inch diameter. Each set includes four wheels, center caps, valve stems, and sixteen 14mm lug bolts.



Image: A complete set of four Empi 8 Spoke polished aluminum wheels, accompanied by sixteen chrome lug nuts, ready for installation.

SPECIFICATIONS

Feature	Detail
Wheel Diameter	15 inches
Wheel Width	5-1/2 inches
Lug Bolt Pattern	4x130mm
Back Space	4-3/8 inches
Lug Bolt Surface	60 Degree
Offset (ET)	Positive (+) 30mm
Material	Polished Aluminum
Included Components	4 Wheels, 4 Center Caps, 4 Valve Stems, 16 Lug Bolts (14mm)
Approximate Weight (Set)	60 Pounds
Manufacturer Part Number	00-9684-Set Of 4 With Lugs
UPC	685228711794

SETUP AND INSTALLATION

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

Pre-Installation Checks:

- Verify that the wheel specifications (diameter, width, bolt pattern, offset, backspace) match your vehicle's requirements.
- Inspect each wheel for any shipping damage or manufacturing defects before mounting tires.
- Ensure the lug bolt seats on the wheels are clean and free of debris.



Image: A detailed view of a single Empi 8 Spoke polished aluminum wheel, highlighting its design and finish.

Mounting Tires:

- Use appropriate tire mounting equipment to avoid scratching or damaging the wheel's polished finish.
- Ensure proper tire bead lubrication.
- Install the included valve stems securely.
- Balance each wheel and tire assembly before installation on the vehicle.

Vehicle Installation:

1. Ensure the vehicle is safely lifted and supported on jack stands.
2. Clean the vehicle's hub mounting surface to ensure a flush fit.
3. Carefully place the wheel onto the hub, aligning the bolt holes.
4. Insert the 14mm lug bolts. The 60-degree conical seat of the lug bolts is designed to match the wheel's lug bolt surface.
5. Hand-tighten all lug bolts in a star pattern to ensure the wheel is centered.

6. Lower the vehicle partially so the tires are just touching the ground.
7. Using a torque wrench, tighten the lug bolts to the vehicle manufacturer's specified torque settings, again in a star pattern. Refer to your vehicle's service manual for exact torque specifications.
8. Fully lower the vehicle.



Includes 16 Lug Bolts

Image: A close-up view of one of the included 14mm chrome lug bolts, which feature a 60-degree conical seat for secure fitment.

Post-Installation Check:

After driving approximately 50-100 miles, re-torque all lug bolts to ensure they remain at the correct specification. This is a critical safety step.

OPERATING GUIDELINES

Once installed, these wheels are designed for standard road use. Adhere to all local traffic laws and vehicle operating guidelines. Avoid overloading your vehicle beyond its manufacturer's recommended gross vehicle weight rating (GVWR), as this can put undue stress on the wheels and tires.

Regularly check tire pressure according to your vehicle manufacturer's recommendations. Proper tire pressure is essential for safe handling, optimal tire wear, and fuel efficiency.

MAINTENANCE

To maintain the polished finish and structural integrity of your Empi wheels, follow these maintenance guidelines:

Cleaning:

- Clean wheels regularly with mild soap and water.
- Avoid abrasive cleaners, harsh chemicals, or stiff brushes, which can damage the polished finish.
- Rinse thoroughly with clean water and dry with a soft, clean cloth to prevent water spots.
- For stubborn brake dust, use a wheel cleaner specifically designed for polished aluminum wheels, following the product's instructions carefully.

Inspection:

- Periodically inspect wheels for any signs of damage, such as cracks, bends, or deep scratches.
- Check lug bolts for proper torque during routine tire rotations or at least every 5,000 miles.
- Ensure center caps are securely in place.

TROUBLESHOOTING

This section addresses common issues you might encounter with your wheels.

Vibration or Shimmy:

- **Possible Cause:** Unbalanced wheels or tires.
- **Solution:** Have wheels and tires professionally re-balanced.
- **Possible Cause:** Loose lug bolts.
- **Solution:** Re-torque lug bolts to vehicle manufacturer specifications.
- **Possible Cause:** Bent or damaged wheel.
- **Solution:** Inspect wheels for damage. If bent or cracked, the wheel must be replaced.

Air Loss from Tire:

- **Possible Cause:** Puncture in tire.
- **Solution:** Inspect tire for punctures and repair or replace as necessary.
- **Possible Cause:** Damaged valve stem.
- **Solution:** Replace valve stem.
- **Possible Cause:** Improper tire bead seal.
- **Solution:** Have tire re-seated by a professional.

Scratches or Dull Finish:

- **Possible Cause:** Abrasive cleaning agents or improper cleaning.
- **Solution:** Use only mild soap and water or specialized polished aluminum wheel cleaner. For minor scratches, professional polishing may be an option.

WARRANTY INFORMATION

Empi wheels are manufactured to high standards. For specific warranty terms and conditions, please refer to the warranty documentation provided at the time of purchase or contact Empi customer support. Generally, warranties cover manufacturing defects under normal use and service. Damage due to improper installation, abuse, neglect, or road hazards is typically not covered.

SUPPORT

For technical assistance, parts inquiries, or warranty claims, please contact your authorized Empi dealer or the manufacturer directly. When contacting support, please have your product model number (00-9684-Set Of 4 With Lugs) and purchase information readily available.

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