

Wheel Spacer

User Manual

Read Carefully Before Use
Keep for Future Reference

@OrionMotorTech



User Manual

Disclaimer

Read this disclaimer completely and carefully before proceeding with the rest of the manual content.

1. Product Modifications

Any modifications or alterations to Orion Motor Tech (OMT) products void any warranties and may result in damage or injury. OMT shall not be liable for any damages resulting from such modifications or alterations.

2. Compliance with Laws

Customers shall be liable for ensuring that the use of OMT products complies with all applicable laws and regulations in their respective jurisdictions. OMT shall not be responsible for any violations of laws or regulations resulting from the use of OMT products.

3. Correct Use

Always use OMT products only as directed in the accompanying manuals. Failure to follow instructions may result in injury or damage.

Always ensure the assembly, installation, operation, maintenance, or repair of OMT products is carried out by a competent person.

Regular maintenance should be performed throughout the lifecycle of OMT products. You are responsible for ensuring the products operate as intended.

Always wear appropriate protective gear.

4. Third-Party Products

OMT shall not be liable for any damages or losses resulting from the use of third-party products in conjunction with OMT products. Customers shall refer to the third-party's guidelines and/or warranties (if any) for any third-party products used.

5. Limitation of Liability

OMT shall not be liable for any direct, indirect, punitive, incidental, special, or consequential damages to property or life, whatsoever arising out of or connected with the use or misuse of OMT products. In no event shall OMT's liability exceed the value of the products sold.

6. Warranty

Refer to the sales page for warranty information.

This disclaimer states the entire obligation of OMT with respect to OMT products. If any part of this disclaimer is determined to be void, invalid, unenforceable, or illegal, including but not limited to the warranty disclaimers, liability disclaimers, and liability limitations set forth above, the invalid or unenforceable provision will be deemed superseded by a valid and enforceable provision that most closely matches the intent of the original provision and the remainder of the agreement shall remain in full force and effect.

Safety Information

	- The instructions provided here are for general information only. ALWAYS perform all repairs in full compliance with your vehicle's service manual. After completing any repair, test your vehicle in your workshop at a low speed before resuming regular use. Failure to do so may result in serious property damage and severe personal injury. DO NOT allow use by children, individuals with mental or physical conditions that may impair safe operation, or persons unfamiliar with this product and its compatible air conditioning, fuel, and transmission systems. ALWAYS wear appropriate personal protective equipment (PPE) during use. Required PPE may include eye, respiratory, and hand protection, depending on your application or work environment. Respiratory protection must be capable of filtering all particles generated by your work, even when working outdoors. A dust mask or respirator is highly recommended. Anyone allowed nearby during use should wear equivalent PPE. ALWAYS read and understand your vehicle's specific safety warnings and instructions before using this kit. Use the correct fluids, pressures, adapters, and other necessary components for your vehicle. Ensure the parking brake is engaged before beginning any work. Use a jack and jack stands that can fully support the necessary weight. Never touch any heated surface with exposed skin. DO NOT overreach. Keep proper footing and balance at all times. - Maintain this product. Check for misalignment, binding, wear, or other damage before use. If any damage is detected, repair or replace the faulty components before further use. In a large shop, mark such a tool "DO NOT USE" until it has been repaired. ONLY replace components with identical parts.
	DO NOT use this product if you are tired or under the influence of drugs, alcohol, or strong medication. - For best results, keep the kit clean and dry. Remove any fluid, oil, or grease before and after work, particularly from the handle and fittings. DO NOT use excessive pressure on this product and do not force it or its attachments. ENSURE the vehicle is secure when supported by a jack or lift. - Dress appropriately for automotive servicing. Do not wear loose clothing or jewelry. Keep hair, clothing, gloves, hoses, and tools away from moving parts during use. - In case of an accident or injury, keep a first aid kit and a communication device (e.g., a phone) readily available. Be familiar with the location of nearby emergency medical facilities. - Automotive repair is an inherently dangerous activity. This manual and the separate vehicle service manual cannot cover all possible situations that may arise. ALWAYS exercise discretion and good judgement. Seek training if needed.

Recommended Tools

- Hoist/Jack & Stand
- Lug-Nut Socket/Tire Iron
- Torque Wrench
- Wheel Chocks
- Rubber Mallet
- Wire Brush

Operation

Warning

- Before servicing, shut off the engine, engage the parking brake (or hand brake), and chock the remaining wheels.** Ensure the vehicle is stationary and the engine has cooled to room temperature before performing maintenance or adjustments.
- ALWAYS** use the correct tools and personal protective equipment (PPE) before performing any operation. Be extremely careful with possible pinching points, moving parts, or parts that may suddenly spring out.
- ALWAYS** ensure the vehicle is secure when it is supported by a jack or lift.
- For your safety, we recommend completing training before using the tool. Serious injury could happen due to a lack of training.
- NEVER** touch the spring coil when it is compressed. When compressed, it stores the force to result in serious or even fatal injuries.
- ALWAYS** make sure the lug studs still have enough threads to provide enough torque for the lug nuts.

- Before installation, make sure the following spacer specifications match your vehicle:

Warning

DO NOT proceed with the installation if the spacers do not **EXACTLY** match your vehicle. Contact Customer Service for assistance or replacement.



Vehicle Bolt Pattern



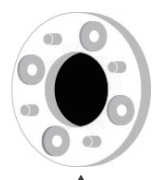
Wheel Bolt Pattern



Thread Size



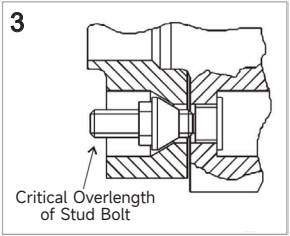
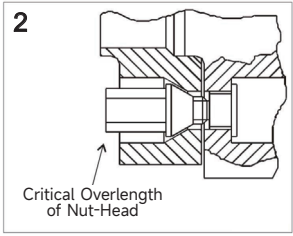
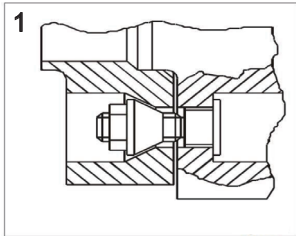
Spacer Thickness



Center Bore

2. Park your vehicle on level ground, activate its parking brake, and turn off the engine. Allow your vehicle to cool if it has become hot through recent use. If you will use a jack to lift your vehicle later on in the process, chock your wheels.
3. Loosen your lug nuts approximately ¼ turn.
4. Raise the vehicle to the lift point suggested in the vehicle's service manual. Using a hoist is highly recommended and will substantially reduce installation time. When using a jack, secure the raised vehicle with one or more jack stands or other appropriate supporting equipment.
5. Remove your vehicle's lug nuts and wheels according to its service manual.
6. Ensure that the mounting surface is flat and clean. Remove all retaining clips and locking screws that may interfere with installation. Clean thoroughly to make sure the spacer will fit evenly and flush against the hub. Clean carefully to avoid damaging other components.

7. Check that the spacer fits and shorten any protruding stock studs. The wheel studs pressed into the spacer ring should fit exactly into the wheel's boreholes. If correctly seated, the stud bolt shaft should extend beyond the nut, but not beyond the spacer surface (Figure 1). The head of the lug nuts (Figure 2) and the shaft of the stud bolts mounted on the hub (Figure 3) should not extend beyond the spacer surface unless the wheels have cast pockets or reliefs that can accommodate the protruding head.

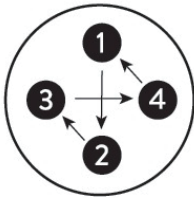


8. Make sure all the bolt holes are aligned and fasten the spacer assembly to the wheel hub with the provided lug nuts. Refer to your vehicle's service manual or your wheels' separate instructions for the proper tightening torque.
9. Install the wheel to the adapter according to your vehicle's service manual torque specifications but do not use more than 140 ft.lb. of force. Fully tighten the lug nuts and bolts for proper thread engagement.

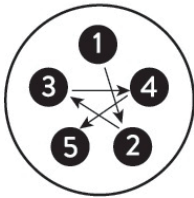
10. Place the wheel back on the studs. Install the wheel over the lug studs and replace the lug nuts by hand. Use a torque wrench to further tighten the lug nuts according to the relevant pattern in the image below. Continue tightening until you reach the manufacturer's recommended torque.

11. After installing all spacers, lower the vehicle back to the ground.

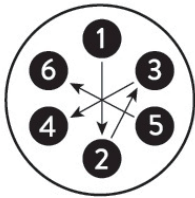
12. Confirm that your wheel alignment, tire and fender clearance, brake line and attachments, and brake anti-locking and anti-skid sensors have not been impaired at all by the installation. Perform any necessary adjustments before using your vehicle.



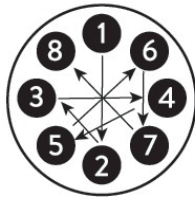
4 Lug Tightening Pattern



5 Lug Tightening Pattern



6 Lug Tightening Pattern



8 Lug Tightening Pattern

13. Test your vehicle. Beginning slowly, drive the vehicle and pay close attention to any noise, vibration, or unusual wheel behavior. After about 5 miles, confirm that the lug nuts attaching the spacer to the hub have not loosened. Retorque if necessary. Recheck all fasteners and torques again after driving about 25 miles more. Recheck all fasteners and torques again after driving about 500 miles more.

Maintenance

- Clean the surfaces with a soft cloth. Use a mild detergent if excessive grime and grease have accumulated. **DO NOT** use caustic chemicals. Dry completely before storing.
- Store all tools in the original storage box and keep it in a cool, dry place away from direct sunlight and out of reach of children.

We care about your experience! ❤️

We truly hope our product brings you joy and convenience.

If you have any questions or need assistance, please don't hesitate to reach out.

We're always happy to help!

Simply fill out the form below, take a photo of it (along with any relevant photos or videos if needed), and email it to us. Our service team will respond within 24 hours.

Platform

☐ Amazon ☐ eBay ☐ Walmart ☐ Wayfair ☐ Other: _____ (please specify)

Order Information

Order No.: _____

Product: _____

Purchase Date: _____

Your Name: _____

Email: _____

Subject of Inquiry

Your satisfaction means everything to us. :)

 support@orionmotortech.com

 <https://orionmotortech.com/>