

OMT B003 Lug Nut Socket Set



OMT B003 Lug Nut Socket Set User Manual

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OMT

OMT B003 Lug Nut Socket Set



Specifications

- Case Dimensions: N/A
- Compatibility: Manual, Impact, and Pneumatic
- Material: Cr-Mo Steel, ABS Plastic

Product Usage Instructions:

Parts List:

The lug nut socket set includes the following pieces:

- B001: 5 pieces – Socket Sizes: 17, 19, 21 mm, 13/16, 7/8 in. – Drive: N/A – Protective Cover Colors: Blue, Yellow, Red, Green, Black
- B002: 4 pieces – Socket Sizes: 17 & 19, 21 & 22 mm, 13/16 & 3/4, 7/8 & 15/16 in. – Drive: N/A – Protective Cover: N/A
- B003: 3 pieces – Socket Sizes: 17, 19, 21 mm – Drive: N/A -Protective Cover Colors: Blue, Green, Red

Operation:

1. Park the car on a level surface and engage the parking brake.
2. Refer to your vehicle's service manual to determine the correct socket size. Adjust the protective cases if needed.
3. If your car has a hubcap, remove it carefully.
4. Check for any locking nuts and use the appropriate key if necessary.
5. Position the socket onto the lug nut and use torque wrenches or impact tools to loosen the nuts.
6. Loosen the lug nuts in a star pattern to keep the wheel centered.
7. Lift the car with a jack, remove the lug nuts completely by hand, and proceed with wheel removal.

Maintenance:

If any issues are detected with the tools, replace or repair them before further use. Contact support for assistance.

Contact Us:

If you have any questions or comments, contact us at support@orionmotortech.com for quick resolution.

FAQ:

• Q: How do I determine the correct socket size to use?

A: Refer to your vehicle's service manual for the specific socket size required for your lug nuts.

• Q: What should I do if the socket doesn't fit?

A: For B001 and B003 sockets, adjust the protective cases if needed. For B002, ensure proper alignment with the extension bar.

• Q: How should I loosen the lug nuts?

A: Use torque wrenches, impact tools, or pneumatic tools following the recommended protocols. Loosen in a star pattern for best results.

Safety Information

DANGER!

- The instructions provided herein are only for general information. ALWAYS perform all repairs in full compliance with your vehicle's service manual. After any repair, test your engine and vehicle in your workshop and at low speed before returning to normal use. Failure to do so may result in brake failure, serious property damage, and severe personal injury.
- DO NOT allow children or those unfamiliar with this product to use it. Do not use while under the influence of alcohol, drugs, or any medication that negatively affects your judgment or reflexes. Keep children and bystanders away during use.
- Keep your work site clean and well lit. Cluttered and dark work areas invite accidents.
- For best results, keep the kit clean and dry. Remove any fluid, oil, or grease before and after work, particularly from the sockets.
- ALWAYS use personal protective equipment (PPE) suitable to your task. Always wear ANSI-approved eye and hand protection while using this product. Nonslip footwear is also highly recommended. Other equipment such as ear, head, and body protection may also be necessary depending on your work and other equipment.
- Dress properly for automotive servicing. Do not wear loose clothing or jewelry and keep hair, clothing, gloves, hoses, and tools away from any moving parts during use.
- ALWAYS know and understand the specific safety warnings and instructions for your vehicle before using this kit. Use the correct fluids, pressures, adapters, etc. for your vehicle. Make sure the parking brake is activated before beginning any work. Use with jack and jack stands able to fully support the necessary weight. Never touch any heated surface with exposed skin.
- Do not overreach. Keep proper footing and balance at all times.
- DO NOT use excessive pressure with this product and do not force it.
- Maintain this product. Check for debris, grease, or wear before use. If any damage is detected, replace the faulty piece before further use. In a large shop, mark such tools DO NOT USE until they have been repaired.
- ALWAYS follow the instructions for impact or pneumatic tools.

Specifications

Case Dimensions		8.2×5.6×2 in.	20.7×14.1×5.3 cm
Compatibility		Manual, Impact, and Pneumatic	
Material		Cr-Mo Steel, ABS Plastic	
B001			
Pieces		5	
Socket	Sizes	17,19, 21 mm, 13/16, 7/8 in.	
	Drive	½ in.	
Protective Cover Colors		Blue, Yellow, Red, Green, Black	
B002			
Pieces		4	
Extension Bar	Size	½ in.	
	Drive	½ in.	
Socket	Sizes	17 & 19, 21 & 22 mm, 13/16 & 3/4, 7/8 & 15/16 in.	
	Drive	½ in.	
Protective Cover		N/A	
B003			
Pieces		3	
Socket	Sizes	17, 19, 21 mm	
	Drive	½ in.	
Protective Cover Colors		Blue, Green, Red	

Parts List

Lug Nut Sockets × 5 /Lug Nut Flip Socket × 4, Extension Bar × 1/ Thin Wall Lug Nut Socket × 3 Storage Case × 1

Operation

1. Park the car on a level surface and engage the parking brake. Refer to your vehicle's service manual to determine the correct socket size. The plastic protective cases on B001 and B003 sockets are designed to prevent any damage to the area around the lug nut on your hub. If the socket doesn't fit, remove the case by turning it counterclockwise. For B002, insert the end of the extension bar with a ball bearing into the chosen socket. They will lock tightly when you hear a distinct "click."
2. If your car has a hubcap, remove it carefully to avoid damaging its fasteners. Locate the lug nuts.
3. Check for any locking nuts among the lug nuts. If present, use the key designed for the locking nuts to loosen them.
4. Attach the selected socket or the other end of the extension bar to a ½-inch manual or impact wrench, or to a pneumatic or cordless nutrunner.
5. Position the socket precisely onto the lug nut you intend to remove. Follow the appropriate protocols for using torque wrenches, impact tools, or pneumatic tools.
6. Start loosening the lug nuts while the car is still on the ground. Before lifting the car with a jack, attempt to

loosen the lug nuts using the resistance provided by the tire's contact with the ground. The nuts will be easier to remove since they won't spin while on the ground.

It is recommended to loosen the nuts in a "star" pattern, skipping the lug nut adjacent to the one you just loosened. This pattern helps keep the wheel centered and is especially important when installing the wheel.

7. Once all the lug nuts are loose, lift the car with a jack, remove the lug nuts completely by hand, and then remove the wheel to proceed with your intended task.

Warning! If your task requires more than simply replacing the wheel with a spare or new wheel, it is essential to use a frame stand to support the car until the project is complete.

8. After servicing your vehicle, reassemble the parts and retighten the nuts by following the same steps in reverse order.

Warning! Always tighten the nuts according to the torque specifications provided in your owner's manual. To prevent over-tightening, ensure that the torque applied by your tools matches the specific torque requirements of your lug nuts.

9. Replace the protective cases for B001 and B003 sockets or disassemble the extension bar and socket for B002. Store them back in the storage box.

Maintenance

- Clean the tools with a soft damp cloth using a mild detergent or solution after use. Do not rinse them or use abrasive cleaners or caustic chemicals.
- Check the tools periodically for any wear or damage. Repair or replace any problematic piece before further use.
- If the tools will not be used for an extended period of time, clean and lubricate them and store them in a cool dry place inaccessible to children.

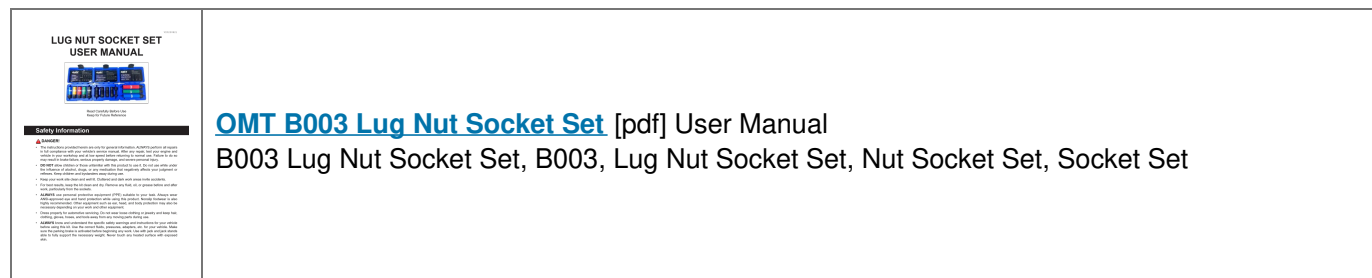
Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us at support@orionmotortech.com and we'll resolve your issue ASAP!

For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.



Documents / Resources



References

- User Manual

Manuals+, Privacy Policy

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