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› CLAS Equipements SA 6127 Tension Tool User Manual

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Model: SA 6127

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of the CLAS Equipements SA 6127 Tension Tool. This specialized tool is designed for automotive applications, specifically for tensioning tasks related to engine timing and distribution systems. Please read this manual thoroughly before operating the tool to ensure proper function and to prevent damage or injury.

PRODUCT OVERVIEW



Figure 1: The CLAS Equipements SA 6127 Tension Tool. This image displays the cylindrical metal tool with the "CLAS SA 6127" engraving visible on its inner surface, indicating the brand and model number. A threaded hole is present at the center of one end.

The CLAS Equipements SA 6127 is a precision tensioning tool. It is compatible with various OEM specifications, including KM-6234, KV113 B0360, and MOT 1543. This tool is essential for maintaining correct tension in specific automotive engine components, particularly within timing and distribution systems for vehicles such as RENAULT, NISSAN, OPEL, and VOLVO (Generation 1 models).

SETUP AND PREPARATION

1. **Safety First:** Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working on automotive systems.
2. **Vehicle Preparation:** Ensure the vehicle is safely supported on a level surface. Disconnect the battery if required by the vehicle manufacturer's service manual.
3. **Identify Application:** Confirm that the SA 6127 tool is the correct tensioning tool for your specific vehicle model and engine type. Refer to the vehicle's service manual for exact specifications and procedures. This tool is designed for OEM codes KM-6234, KV113 B0360, and MOT 1543, commonly found in RENAULT, NISSAN, OPEL, and VOLVO (Generation 1) engines.
4. **Inspect Tool:** Before each use, inspect the SA 6127 tool for any signs of damage, wear, or deformation. Do not use a damaged tool.

OPERATING INSTRUCTIONS

The SA 6127 Tension Tool is used in conjunction with other specialized tools and procedures as outlined in the vehicle manufacturer's service manual. The following steps provide a general guideline; always prioritize the vehicle-specific instructions.

- Access the Tensioner:** Follow the vehicle's service manual to gain access to the component requiring tensioning (e.g., timing belt/chain tensioner).
- Position the Tool:** Carefully position the SA 6127 tool onto the designated tensioning point. The tool's design allows for precise engagement with the tensioner mechanism.
- Apply Tension:** Use appropriate wrenches or levers (not included) to apply the specified tension according to the vehicle manufacturer's guidelines. The threaded hole in the tool may be used for attaching additional components or for specific tensioning methods.
- Verify Tension:** Double-check that the tension is set correctly using a torque wrench or other measuring devices as specified in the service manual.
- Remove Tool:** Once the tensioning procedure is complete and verified, carefully remove the SA 6127 tool from the component.
- Reassemble:** Reassemble all removed components and covers according to the vehicle's service manual.

Important: Incorrect tensioning can lead to severe engine damage. If you are unsure about any step, consult a qualified automotive technician or the vehicle's official service documentation.

MAINTENANCE AND STORAGE

- Cleaning:** After each use, clean the tool with a clean cloth to remove any grease, oil, or debris. Avoid using harsh chemicals that could damage the tool's finish.
- Inspection:** Regularly inspect the tool for any signs of wear, corrosion, or damage. Pay close attention to the engagement surfaces and the threaded hole.
- Lubrication:** Lightly oil any moving parts or threaded sections if applicable, to prevent corrosion and ensure smooth operation.
- Storage:** Store the SA 6127 Tension Tool in a dry, clean environment, preferably in a tool box or dedicated storage area, to protect it from dust and moisture.

TROUBLESHOOTING

The SA 6127 Tension Tool is a simple mechanical device. Most issues arise from incorrect application or external factors.

Problem	Possible Cause	Solution
Tool does not fit or engage properly.	Incorrect tool for the application; component misalignment; debris obstructing engagement.	Verify the tool's compatibility with the vehicle's service manual. Check for proper component alignment. Clean the engagement area.
Difficulty applying tension.	Tensioner mechanism seized or damaged; incorrect leverage applied.	Inspect the tensioner for damage. Ensure correct leverage is used as per service manual. Do not force the tool.

Problem	Possible Cause	Solution
Tool appears damaged after use.	Excessive force applied; improper use; tool used for unintended purpose.	Discontinue use immediately. Replace the damaged tool. Always follow proper procedures and avoid excessive force.

For issues not covered here, or if you suspect a defect in the tool, please contact CLAS Equipements or your authorized distributor.

SPECIFICATIONS

- Brand:** CLAS Equipements
- Model:** SA 6127
- Manufacturer Part Number:** SA 6127
- OEM Equivalents:** KM-6234, KV113 B0360, MOT 1543
- Item Weight:** 2.11 ounces (approx. 60 grams)
- Product Dimensions:** 0.98 x 1.38 x 1.38 inches (approx. 2.5 x 3.5 x 3.5 cm)
- Material:** Metal (specific alloy not provided)
- Application:** Automotive engine timing and distribution systems (e.g., RENAULT, NISSAN, OPEL, VOLVO Generation 1)

SUPPORT AND WARRANTY

CLAS Equipements is a French brand committed to providing quality equipment and technical tools. All products comply with current standards.

For technical support, inquiries, or warranty claims, please contact your authorized CLAS Equipements distributor. In many regions, DIGITAL CENTRALE distributes CLAS Equipements products. Please refer to your purchase documentation for specific contact information.

Always retain your proof of purchase for warranty purposes.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question