

Yato YT-06027

YATO YT-06027 Camshaft Locking Tool Instruction Manual

1. INTRODUCTION

The YATO YT-06027 Camshaft Locking Tool is a specialized kit designed for precise engine timing adjustments and repairs. This tool set is essential for securely holding the camshafts in their correct timed position when performing tasks such as timing belt or chain replacement, cylinder head removal, or other engine maintenance procedures that require the camshafts to be locked. Proper use of this tool ensures accurate engine timing, which is critical for engine performance and longevity.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines when using the YATO YT-06027 Camshaft Locking Tool:

- Read and understand this entire manual before using the tool.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the engine is completely off and cooled down before beginning any work.
- Disconnect the vehicle's battery to prevent accidental starting.
- Use the tool only for its intended purpose.
- Consult the vehicle manufacturer's service manual for specific timing procedures and torque specifications.
- Keep children and bystanders away from the work area.
- Store the tool in its case in a dry, safe place when not in use.

3. PACKAGE CONTENTS

The YATO YT-06027 kit includes 14 specialized tools, neatly organized within a durable plastic storage case.



This image displays the YATO YT-06027 camshaft locking tool set, showcasing the various precision components neatly organized within its durable black plastic storage case. The tools are designed to accurately hold camshafts in their correct timing position during engine service.



The YATO YT-06027 camshaft locking tool kit is supplied in a robust black plastic case, ensuring secure storage and easy transport of all components. The case features the YATO brand logo prominently.

4. COMPATIBILITY AND APPLICATION

The YATO YT-06027 Camshaft Locking Tool is designed for specific gasoline engines. Verify your vehicle and engine code against the list below before use.

Applicable Vehicle Models:

- Opel Agila
- Opel Corsa B
- Opel Astra G/H
- Opel Corsa
- Opel Combo C
- Opel Meriva
- Opel Tigra B

Compatible Engine Codes:

- LHU/A20NFT
- LTG/A20NHT
- LDK/A20NHT
- LE5
- LE9
- A24XE
- A24XF
- 1.0 12V

- 1.0 16V
- 1.2 16V
- 1.4 16V (Chain Drive)
- X10XE
- Z10XE
- Z10XEP
- X12XE
- Z12XE
- Z14XEP



This label provides crucial compatibility information for the YATO YT-06027 tool. It lists applicable vehicle models such as Opel Agila, Corsa B, Astra G/H, Combo C, Meriva, and Tigra B, along with corresponding engine codes including 1.0 12V, 1.0 16V, 1.2 16V, 1.4 16V (chain drive), X10XE, Z10XE, Z10XEP, X12XE, Z12XE, and Z14XEP.

5. SETUP AND OPERATING INSTRUCTIONS

The YATO YT-06027 Camshaft Locking Tool is intended for use by qualified technicians. Always refer to the specific vehicle manufacturer's service manual for detailed, step-by-step instructions pertinent to your vehicle's engine. The following is a general overview of the tool's function:

1. **Preparation:** Ensure the engine is at Top Dead Center (TDC) for cylinder 1 on the compression stroke, as specified by the vehicle's service manual. Remove any components obstructing access to the camshafts and timing system (e.g., valve cover, timing belt/chain cover).
2. **Camshaft Alignment:** Carefully align the camshafts to their correct timing marks. The YATO YT-06027 tools are designed to fit into specific slots or onto specific profiles on the camshafts to hold them in this precise position.
3. **Tool Installation:** Select the appropriate locking tools from the kit that match your engine's camshaft profiles. Install the tools onto the camshafts according to the vehicle's service manual. Ensure they are seated correctly and securely. The tools should prevent any rotation of the camshafts.
4. **Timing Component Service:** With the camshafts locked, you can proceed with tasks such as replacing the timing belt or chain, adjusting valve timing, or performing cylinder head work without the camshafts losing their critical timing position.
5. **Tool Removal:** Once all timing-related work is complete and verified, carefully remove the YATO YT-06027 locking tools. Reassemble all removed components, ensuring all fasteners are torqued to manufacturer specifications.
6. **Final Check:** After reassembly, perform a final check of the engine timing and rotate the engine manually (if possible) to ensure no interference before starting.

Important: Incorrect use of timing tools can lead to severe engine damage. If you are unsure about any step, consult a professional mechanic.

6. MAINTENANCE

To ensure the longevity and accuracy of your YATO YT-06027 Camshaft Locking Tool, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe down all tools with a clean, dry cloth to remove any oil, grease, or debris.
- **Inspection:** Regularly inspect the tools for any signs of wear, damage, or deformation. Do not use damaged tools, as this can compromise accuracy and safety.
- **Storage:** Always return the tools to their designated slots in the plastic storage case after cleaning. Store the case in a dry, cool environment, away from direct sunlight and corrosive chemicals.
- **Lubrication:** Lightly oil any moving parts or threaded components if present, to prevent corrosion and ensure smooth operation.

7. TROUBLESHOOTING

If you encounter issues while using the YATO YT-06027 Camshaft Locking Tool, consider the following:

- **Tool Does Not Fit:** Double-check the compatibility list (Section 4) to ensure the tool is correct for your specific vehicle model and engine code. Verify that the camshafts are correctly positioned according to the vehicle's service manual.
- **Camshafts Still Rotate:** Ensure the locking tools are fully seated and secured. Re-verify camshaft alignment. If the tools are worn or damaged, they may not hold properly and should be replaced.
- **Difficulty Removing Tools:** Ensure all timing components are correctly installed and tensioned before attempting to remove the locking tools. Do not force the tools out; re-check alignment and installation.

For persistent issues, consult a qualified automotive technician or contact YATO customer support.

8. SPECIFICATIONS

Model Number	YT-06027
Brand	Yato
Number of Tools	14
Packaging	Plastic Case
Item Weight	2 Kilograms
Product Dimensions (L x W x H)	25 x 20 x 10 cm

9. WARRANTY AND SUPPORT

YATO products are manufactured to high-quality standards and are typically covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official YATO website.

For technical support, inquiries, or assistance with your YATO YT-06027 Camshaft Locking Tool, please contact YATO customer service through their official channels. When contacting support, please have your model number (YT-06027) and purchase information readily available.

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

you@example.com

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