

MAL102022

Generic 6pcs 10200A+10202 Camshaft Phaser Timing Chain Tools User Manual

Model: MAL102022

INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of the Generic 6-piece Camshaft Phaser Timing Chain Tool Set, including tools 10200A and 10202. This specialized tool kit is designed for servicing camshafts and timing chains on specific VW, Chrysler, and Dodge 3.6L engines. Adherence to these instructions is crucial for safe and effective operation.

PRODUCT COMPONENTS

The tool set includes the following components:

- **10202 Camshaft/Phaser Holders:** Used to secure camshafts and phasers during the loosening and tightening of Oil Control Valves.
- **10200A Timing Chain Wedges:** Used to relieve tension on timing chains during camshaft and phaser service procedures.
- **Additional Pin/Hook Tool:** A small, bent wire tool often used for manipulating small components or springs.



Figure 1: Complete 6-piece timing chain tool set. This image displays all components: two 10202 camshaft phaser holders, three 10200A timing chain wedges, and a small hook tool.

COMPATIBILITY

This tool set is compatible with the following vehicles equipped with 3.6L engines:

- **VW Routan:** 3.6L Engine.
- **Chrysler V6 3.6L equipped vehicles:** Including but not limited to Journey, 200, 200 Convertible, Avenger, Sebring, Sebring Convertible, Challenger, Charger, 300, 300C, Magnum, Grand Caravan, Caravan, Town & Country, Durango, Grand Cherokee.

Note: For 2012 and newer models, and some 2011 models, tool 10369A may also be required. This depends on the size of the bolt in the front cover tightening sequence on the right bank (cylinder head closest to firewall). If that bolt head is 1M, tool 10369A is necessary.

SETUP AND PREPARATION

1. Ensure the engine is cool and disconnected from the battery before beginning any work.
2. Refer to the vehicle-specific service manual for detailed engine disassembly and reassembly procedures. This tool set is designed to assist with specific steps within those procedures.
3. Identify the correct tool for the specific bank and side of the engine as detailed in the operating instructions.
4. Wear appropriate personal protective equipment, including safety glasses and gloves.

OPERATING INSTRUCTIONS

Using 10202 Camshaft/Phaser Holders

The 10202 tools are used to hold the camshafts and phasers in position while performing service on the Oil Control Valves.

- **10202-1:** Used on the Right Bank of the engine.
 - **10202-2:** Used on the Left Bank of the engine.
1. After removing necessary engine components to access the camshafts, position the appropriate 10202 tool onto the camshaft/phaser assembly.
 2. Ensure the tool is securely seated to prevent rotation of the camshaft during the loosening or tightening of the Oil Control Valves.
 3. Proceed with the Oil Control Valve service as per the vehicle's service manual.



Figure 2: 10202 Camshaft Phaser Holders. This image displays the two distinct 10202 tools, designed for holding camshafts and phasers on the left and right banks of the engine, alongside the small hook tool.

Using 10200A Timing Chain Wedges

The 10200A tools are used as wedges to loosen tension on the timing chains during camshaft and phaser service procedures.

- **10200-1 & 10200-3:** Used on the Driver's Side of the engine.
 - **10200-2:** Used on the Passenger's Side of the engine.
1. Access the timing chain area as required by the vehicle's service manual.

2. Carefully insert the appropriate 10200A wedge tool into the timing chain path to create slack. This will relieve tension, allowing for easier removal or installation of camshafts and phasers.
3. Ensure the wedge is firmly in place and does not slip during the procedure.
4. Once service is complete, remove the wedge tools before re-tensioning the timing chain and reassembling the engine.



Figure 3: 10200A Timing Chain Wedges. This image displays the three distinct 10200A tools, designed for wedging timing chains to relieve tension, alongside the small hook tool.

MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your tools.

- **Cleaning:** After each use, clean the tools thoroughly to remove any oil, grease, or debris. Use a mild degreaser if necessary, and wipe dry.
- **Storage:** Store the tools in a clean, dry environment, preferably in their original packaging or a dedicated toolbox, to prevent corrosion and damage.
- **Inspection:** Periodically inspect tools for any signs of wear, cracks, or deformation. Discontinue use of any damaged tools to prevent injury or improper operation.

TROUBLESHOOTING

If you encounter issues while using the tools, consider the following:

- **Tool Not Fitting:** Ensure you are using the correct tool (e.g., 10202-1 for right bank, 10202-2 for left bank, or the correct 10200A wedge for the specific side). Verify engine model and year compatibility.
- **Insufficient Chain Slack:** Confirm the 10200A wedge is fully and correctly seated. Refer to the vehicle's service manual for specific timing chain tensioner release procedures.
- **Camshaft Movement:** Double-check that the 10202 holder is securely engaged with the camshaft/phaser.

Ensure no external forces are applied that could dislodge the tool.

SPECIFICATIONS

Model Number	MAL102022
Tool Type	Camshaft Phaser Timing Chain Tools
Compatibility	VW, Chrysler, Dodge 3.6L Engines
Materials	High-quality, durable materials for wear and fatigue resistance
Batteries Required	No

WARRANTY

This product comes with a 6-month warranty from the date of purchase. The warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, unauthorized modification, or normal wear and tear. Please retain your proof of purchase for warranty claims.

SUPPORT

For technical assistance, questions regarding tool application, or warranty claims, please contact the retailer or manufacturer directly. When contacting support, please have your product model number (MAL102022) and purchase information available.