



INSTRUCTIONS FOR:

## CAMSHAFT LOCKING TOOL - SUBARU

MODEL NO: **VSE5066**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions and maintained properly, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to Instruction Manual

### 1. SAFETY

- WARNING!** Wear approved eye protection. Wear appropriate Personal Protective Equipment. A full range of Personal Protective Equipment is available from your Sealey dealer.
  - WARNING!** Ensure that Health & Safety, Local Authority Regulations and general workshop practice Regulations are adhered to when using tools.
  - DO NOT** use tools if damaged.
  - Maintain tools to ensure that they are in an adequate condition for safe use and optimum performance.
  - Ensure that a vehicle that has been raised by a jack is adequately supported. Use axle stands.
  - Wear suitable clothing to avoid snagging. **DO NOT** wear jewellery. Tie back long hair.
  - Account for all tools, parts and components being used. **DO NOT** leave these in or near the engine. Return tools to suitable storage after use.
- IMPORTANT!** These Instructions are provided as a guide only. Always refer to the vehicle manufactures' service instructions or a proprietary manual to establish the correct procedure and data.
- WARNING!** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations. The Operator / user must apply caution and common sense (good practical sense).
  - When timing an engine, always prevent the engine from being turned over. Use a notice and/or inhibit the engine.
  - WARNING!** Incorrect or out of phase camshaft timing can result in contact between the valve head and the piston crown. This will cause damage to the engine.

### 2. INTRODUCTION

This useful time saving tool is designed to assist with the operation when replacing the timing belt on Subaru 2.0 and 2.5 litre engines. For use on hexagonal camshaft sprocket fixing bolts.

### 3. APPLICATIONS

Make:	Model:	Engine Codes:
Subaru	Forester (05-09) Forester Turbo (08-13) Impreza	2.0: EJ204, EJ205 2.5: EJ205, EJ205, EJ255, EJ257



## 4. OPERATION

- **WARNING:** For timing belt replacement always follow a recognised workshop manual; for further information always refer to the relevant manufacturers recommendations.
- 4.1. This tool is designed to assist with the operation when replacing the timing belt on Subaru 2.0 and 2.5 litre engines DOHC including Turbo engines, where hexagonal bolts are used to secure the camshaft Sprockets.
- 4.2. Once fitted, the tool locks the inlet and exhaust camshafts on the left hand bank and prevents them from turning; this is a great time saving tool and makes changing the camshaft drive belt an easier operation.
- 4.3. Once all the timing marks have been aligned, the camshaft locking tool can be fitted.
- 4.4. With the locking bolts loosened slightly, fit the camshaft locking tool so the hexagon fits over the camshaft sprocket fixing bolts. The tool should be parallel to the camshaft pulleys.(fig.1). Note: depending upon the camshaft pulley type the spacer provided may, or may not be required.
- 4.5. Once correctly in position, tighten the locking tool securing bolts.
- 4.6. Ensure that the hexagon locking sections are held with a suitable spanner when tightening the locking bolts.

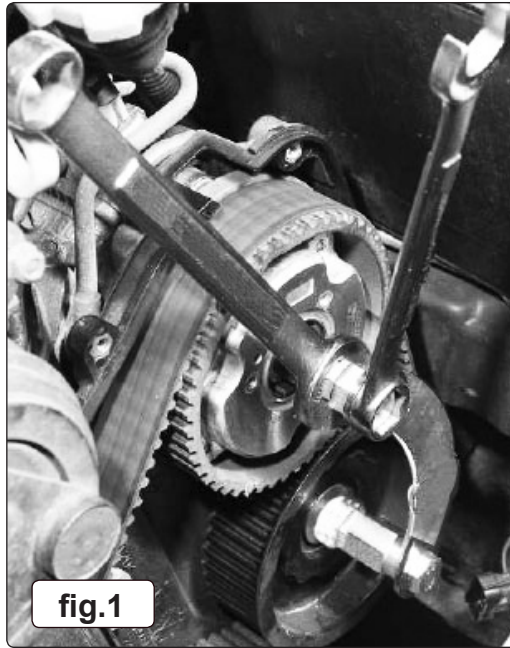


fig.1

- 4.7. Once this operation is completed tighten the securing bolts on the camshaft locking tool. The camshaft positions are now locked and will not move when the camshaft drive belt is removed.
- 4.8. Once the timing belt has been replaced and all timing marks are checked to ensure the timing is correct, the camshaft locking tool can be removed.

### Environmental Protection



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable dispose of it according to local regulations.

**NOTE:** It is our policy to improve products continually and as such we reserve the right to alter data, specifications and component parts without prior notice.

**IMPORTANT:** No liability is accepted for incorrect use of this product.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.



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