



CRANKSHAFT TURNING/HOLDING KIT - BMW/MINI

MODEL NO: **VSE2398**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, 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 instructions

1. SAFETY

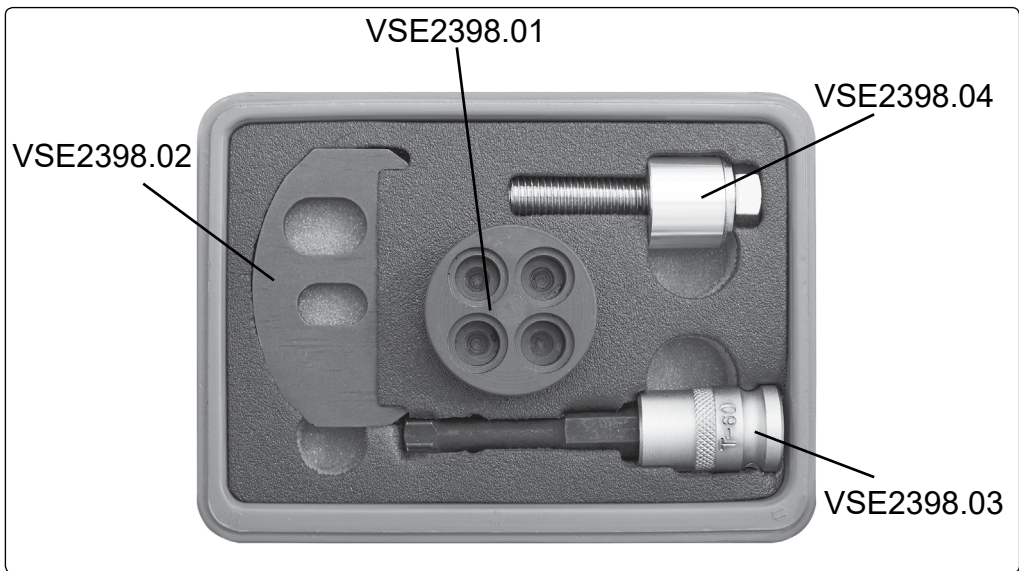
- WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools.
- DO NOT** use tools if damaged.
- Maintain tools in good and clean condition for best and safest performance.
- Ensure that a vehicle which has been jacked up is adequately supported with axle stands.
- Wear approved eye protection. A full range of personal safety equipment is available from your Sealey stockist.
- Wear suitable clothing to avoid snagging. **DO NOT** wear jewellery and tie back long hair.
- Keep children and unauthorised persons away from the work area.
- DO NOT** attempt to start engine or move vehicle whilst in gear with the timing devices fitted.
- Always display a warning notification on steering wheel when timing engine components.
- Account for all tools, locking bolts, pins and parts being used and **DO NOT** leave them in or near the engine.
- Ensure all pieces are returned to the case and store this in a safe, dry, childproof location.
- WARNING!** Incorrect or out of phase camshaft timing can result in contact between valve head and piston crown causing damage to the engine.
- IMPORTANT:** These instructions are provided as a guide only. Always refer to the vehicle manufacturer's service instructions, or a proprietary manual, to establish the current procedure and data.
- WARNING:** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

2. INTRODUCTION

Crankshaft turning and flywheel locking tool. Designed to turn the crankshaft without removing the pulley fixing bolts. Flywheel locking plate fits manual and automatic gearbox vehicles. Suitable for petrol and diesel engines. Supplied in a storage case with warning tag and instructions.

3. CONTENTS

Associated Tool(s):.....VSE6121A - Diesel Engine Setting/Locking Kit - BMW/Mini 1.5, 1.6, 2.0, 3.0 - Chain Drive
OEM Tool(s):..... 11.6.480, 11.9.811, 11.9.265, 11.4.180



4. APPLICATIONS

BMW:	116i (15-19) 120d (15-19) 125d (15-19) M140i (16-19) 214d (15-19) 216i (18-19) 218d (17-19) 218i (15-19) 220d, (14-19) 225d (15-19) M240i (16-19) 316d (15-19) 325d (16-19) 340i (15-19) 420d (15-19) 425d (16-18) 440i (16-19) 518d (14-17) 525d (17-19) 540i (17-19) 640i (17-19) 725d (16-19) 740i (15-19) X1 (15-19) X2 (18-19) X3 (14-18) X4 (17-18) X5 (15-18) I8 (14-18)
Mini:	Mini Hatch (14-19) Cabriolet (16-19) Clubman (15-19) Countryman (17-19)

Engine Code(s):	
1.2 Petrol:	B38A12A
1.5D:	B37C15A, B37D15A
1.5 Petrol:	B38A15A, B38B15A, B38K15A
2.0D:	B47D20A, B47D20B, B47C20A, B47C20B
3.0 Petrol:	B58B30A

5. OPERATION

- 5.1. This kit contains tools to turn the crankshaft, lock the flywheel and remove the flywheel bolts.
- 5.2. VSE2398.01 Crankshaft Turning Tool. Designed to fit over the crankshaft pulley securing bolts to allow the crankshaft to be rotated without removing the front pulley.
- 5.3. VSE2398.02 Flywheel/Drive Plate Holding Tool. Suitable for both automatic and manual gearbox versions. Supplied with VSE2398.04 securing bolt and spacer, the spacer can be fitted on either side of the VSE2398.02 and may be required depending on the flywheel depth.
- VSE2398.03 Flywheel Bolt Socket. The BMW ZMS engine has offset flywheel mounting bolts on variants with dual mass flywheels. The socket profile is designed to ensure it is possible to line up with the offset mounting bolts.



ENVIRONMENT 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 and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

Note: It is our policy to continually improve products 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 is required for any claim.

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