

SEALEY

TIMING TOOL FOR MERCEDES, RENAULT, NISSAN, DACIA 1.3 PETROL ENGINES

MODEL NO: **VS5260**

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
instruction
manual



Wear eye
protection

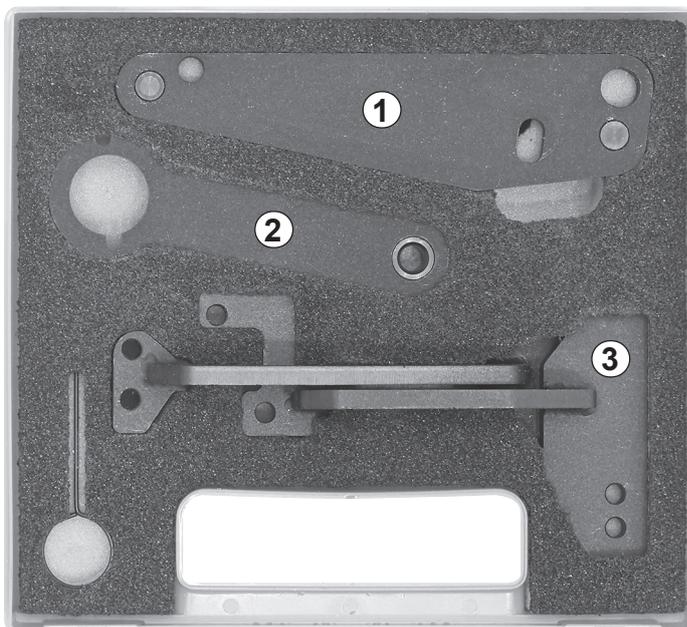
1. SAFETY

- WARNING!** Wear approved eye protection. Wear appropriate Personal Protective Equipment. A full range of Personal Protective Equipment is available from your Sealey stockist.
- 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.
- DO NOT** attempt to start or move a vehicle whilst in gear and with timing devices fitted.
- 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.
- When not in use, store in a safe, dry childproof place.
- Keep children and unauthorised persons away from the work area.
- IMPORTANT!** These instructions are intended as a guide only. Always refer to the vehicle manufacturer's service instructions or a proprietary manual to establish the correct procedure and data.
- WARNING!** The warnings, conditions 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

Contents include Camshaft Alignment Tools, Crankshaft Alignment Tool and a Flywheel Locking Tool. Heavy-Duty Camshaft Holding Tools ensure accurate positioning. Supplied in a storage case with full instructions.

3. CONTENTS



Item	Part No.	Description
1	VS5260-01	Flywheel locking tool
2	VS5260-02	Crankshaft Setting Tool
3	VS5260-03	Camshaft Setting Tool Set
4	VS5260-04	Chain Tensioner Pin

OEM Tool(s):

Dacia:	MOT2188, MOT2203
Nissan:	MOT2188, MOT2203
Renault:	MOT2188, MOT2203
Mercedes:	282589004000, 282589002303, 282589002301, 282589002302

4. APPLICATIONS

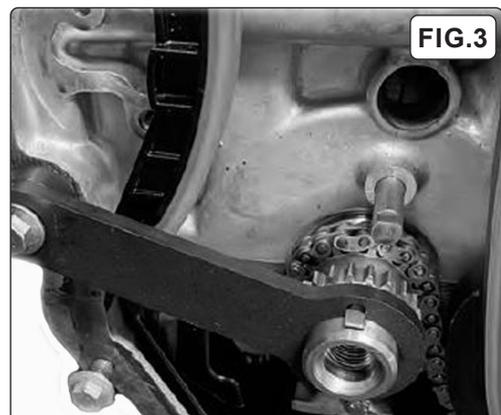
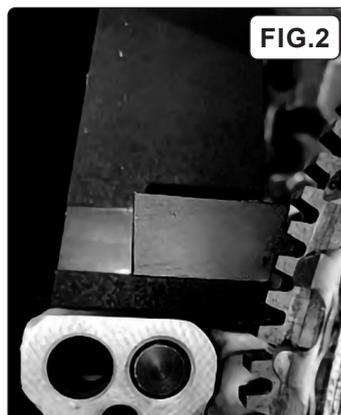
MODEL	
Dacia:	Duster (18-21), Dokker (19-21), Lodgy (19-21)
Nissan:	Qashqai (18-25), X-Trail (19-21)
Mercedes:	A160 (18-24), A180 (18-24), A200 (18-24), A200 (18-24), A250e (19-24), B160 (19-25), B180 (19-25), B200 (19-25), B250e (19-25), CLA180 Coupe (19-24), CLA 200 Coupe (19-24), CLA180 Shooting Brake (19-24), CLA200 Shooting Brake (19-24), CLA250e Shooting Brake (20-24), GLA180 (20-24), GLA200 (20-25), GLA250e (20-25), GLB180 (20-25), GLB200 (19-25)
Renault:	Arkana (19-23), Austral (22-23), Captur (18-19), Captur II (19-24), Clio V (18-21), Express van (21-23), Kadjar (18-23), Koleos II (20-23), Megane IV (17-21), Scenic IV (18-23), Grand Scenic IV (18-24), Talisman (18-23)

ENGINE CODES	
Dacia:	H5H450, H5H470, H5H480, H5H490
Nissan:	HR13DDT
Renault:	H5H450, H5H470, H5H480, H5H490
Mercedes:	282.914

5. OPERATION

IMPORTANT: OE procedures call for the Camshaft VVT Sprockets to be removed and refitted when replacing the Timing Chain.

- 5.1. Ensure that the Camshafts are in the correct timing position with VS5260-03 Camshaft Setting Tool installed before releasing the bolts of the Camshaft VVT Sprockets.
- × **DO NOT** use VS5260-03 to counter hold the Camshafts when removing or installing the Camshaft VVT Sprocket bolts.
- 5.2. VS5260-01 Flywheel Locking Tool is used to counter hold the Crankshaft when removing or installing the Crankshaft Pulley Central Bolt.
- 5.3. Remove the starter motor and install VS5260-01, ensuring that the adjustable tooth is fully located in the teeth of the Flywheel.
- 5.4. Remove the Crankshaft Pulley Central Bolt and the Crankshaft Pulley,
- 5.5. Remove the Flywheel Locking Tool.



- 5.6. After removing the Timing Chain Cover, install the Crankshaft Pulley Central Bolt, finger tight only.
- 5.7. At the Crankshaft Pulley Bolt, rotate the Crankshaft in the normal direction of rotation until the key of the Crankshaft Gear is at approximately 11 o'clock position.
NOTE: The timing marks of the Camshaft VVT sprockets should also be at approximately 11 o'clock position, if they are not, rotate the Crankshaft one full revolution in the normal direction of rotation.
- 5.8. Remove the Crankshaft Pulley Bolt, install VS5260-02 Crankshaft Setting Tool ensuring that the key of the Crankshaft is located in the slot of the tool.
- 5.9. Refit the Crankshaft Pulley Bolt, slowly rotate the Crankshaft until the key of the Crankshaft is at the 12 o'clock position and the location hole of the setting tool is aligned to the threaded hole in the engine casing. Use a suitable bolt to retain the tool in the correct position.



- 5.10. Locate VS5260-03 Camshaft Setting Tools onto the hexagonal profile of the Camshaft VVT Sprockets, ensuring that the marks on the Camshaft VVT Sprockets are at the 12 o'clock position.
- 5.11. Retain in position using suitable bolts.
- 5.12. Slowly compress the Timing Chain Tensioner Plunger by applying pressure to the Timing Chain Guide Rail.
- 5.13. Retain Tensioner Plunger in position using VS5260-04 Tensioner Locking Pin.



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.



REGISTER YOUR
PURCHASE HERE

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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