



INSTRUCTIONS FOR ROCKER ARM AND VALVE COMPENSATOR TOOL MODEL NO: VS151

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 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.
- 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).
- 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

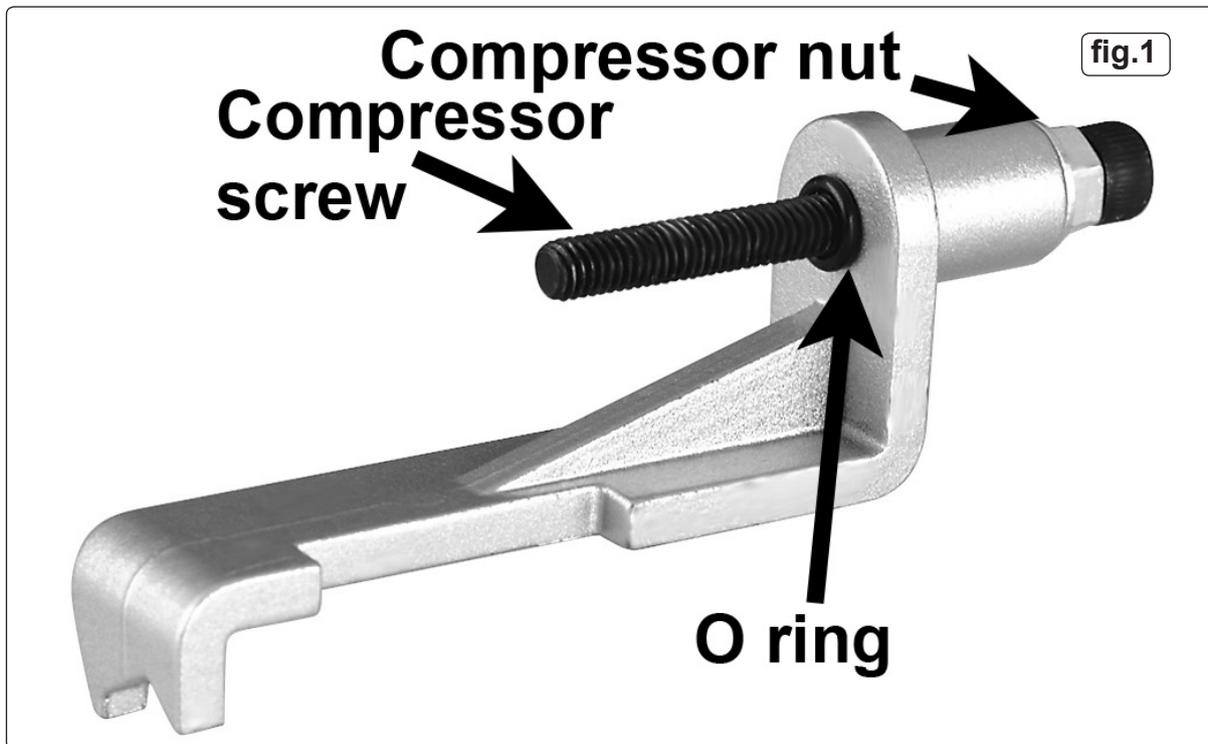
Suitable for use on Vauxhall/Opel OHC engines. Permits quick, on vehicle, removal of rocker arm and valve play compensator. Mounts on camshaft housing. Cast construction with knurled hex head fixing.

3. APPLICATIONS

Make:	Model:
Vauxhall:	Corsa 1.7D (93-96) Astra F (92-96) Vectra A (93-95) Cavalier (93-95)

4. OPERATION

- 4.1. Refer to figs.1 and 2.
- 4.2. The VS151 compressor allows easy removal of the rocker arms and hydraulic valve lifters for inspection or to enable the camshaft to be withdrawn from the engine without disturbing the camshaft housing. Without the use of this tool, the camshaft can only be withdrawn by removing the camshaft housing from the cylinder head. As this requires removal of the cylinder head bolts there is a risk of breaking the head gasket seal.
- 4.3. Remove the camshaft cover.
- 4.4. Rotate the engine to ensure that the piston of the valve to be worked upon is not at TDC, to prevent the valve being pushed onto the top of the piston by the compressor.
- 4.5. The cam lobe should also be clear of the rocker arm to give maximum clearance for its removal.
- 4.6. Ensure that the compression nut is at the top of the compressor stud.
- 4.7. Position the compressor in the camshaft housing with the foot resting on the valve spring retaining washer.
- 4.8. Screw the compressor pin into the threaded hole in the camshaft housing.
- 4.9. Using a wrench slowly wind down the compressor nut, ensuring that the foot locates around the valve spring retainer.
- 4.10. Remove rocker arm and inspect wear surfaces.
- 4.11. At this stage the hydraulic valve lifter (valve play compensator) may also be removed.
Note: If the camshaft is to be removed without removing the camshaft housing the above procedure must be carried out, to remove all rocker arms.
- 4.12. After work has been completed, replace the hydraulic valve and rocker arms.
- 4.13. Slowly remove the compression nut until the valve is returned to its normal closed position.
- 4.14. The tool may now be removed from the engine.



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 and requires disposal, drain off any fluids (if applicable) into approved containers and dispose of the product and the 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 will be required for any claim.



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