

SEALEY

PNEUMATIC DIESEL INJECTOR PULLER

MODEL NO: **VS2080**

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 a face shield



Wear protective clothing



Wear protective gloves



Wear ear protection

1. SAFETY

- WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools.
- WARNING!** Always use caution when working around fuel systems. The fuel in the fuel rail may be pressurised even if the engine is not running.
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, also any warnings or cautions particular to the vehicle.
- DO NOT** use the set if any parts are missing or damaged.
- DO NOT** use this tool for any purpose other than that for which it is designed.
- Switch off vehicle's ignition and disconnect the battery before commencing work under the bonnet.
- You must follow the vehicle's service manual cautions when working around the air bag system. If the cautions are not followed the air bag may deploy unexpectedly even after the ignition is turned 'OFF', resulting in personal injury.
- Never lay tools on the vehicle's battery. This may short the terminals together, causing harm to yourself, the tools, or the battery.
- Operate in a well ventilated area. **DO NOT** inhale fuel vapours.
- 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 other unauthorised persons away from the working area.
- Keep yourself, tools, and test equipment away from hot engine parts.
- Always keep a fire extinguisher that is suitable for fuel/electrical/chemical fires close by.
- WARNING! NEVER** smoke or have open flames near vehicle.
- Always relieve fuel pressure before disconnecting fuel lines from injectors.
- Use a cloth to cover fuel line fittings when connecting or disconnecting fuel lines. Avoid contact with fuel.
- Clean up all fuel spills immediately and dispose of all used cloths properly.
- Maintain the tool components in good and clean condition for best and safest performance.
- When work on the vehicle is finished, ensure all connections on vehicle are restored, and that there are no tools left in the engine bay.
- Replace tools in the carrying case and store in a safe, dry, childproof location.
- Air under pressure can cause severe injury.
- Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause severe injury. Always check for damaged or loose hoses and fittings.
- Cold air shall be directed away from the hands.
- DO NOT** exceed the maximum air pressure stated on the tool.
- DO NOT** carry an air tool by the hose.
- Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms.
- Wear warm clothing when working in cold conditions and keep your hands warm and dry.
- Operate and maintain the power tool as recommended in the instructions handbook, to prevent an unnecessary increase in vibration levels.
- DO NOT** use worn or ill-fitting sockets or extensions, as this is likely to cause a substantial increase in vibration.
- Slips, trips and falls are major causes of workplace injury.
- Be aware of slippery surfaces caused by the use of the tool and also of trip hazards caused by the air line or hydraulic hose.
- Proceed with care in unfamiliar surroundings. Hidden hazards, such as electricity or other utility lines, can exist.
- Use only sizes and types of accessories and consumables that are recommended by the manufacturer; **DO NOT** use other types or sizes of accessories and consumables.
- When using a power tool for, the operator can experience discomfort in the hands, arms, shoulders, neck, or other parts of the body.
- While using the tool, the operator should adopt a comfortable posture while maintaining secure footing and avoiding awkward or off-balanced postures.
- The operator should change posture during extended tasks, which can help avoid discomfort and fatigue.
- If the operator experiences symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensations or stiffness, these warning signs should not be ignored. The operator should tell the employer and consult a qualified health professional.
- WARNING!:** The use of the tool can expose the operator's hands to hazards including crushing, impacts, cuts and abrasions and heat. Wear suitable gloves to protect hands.

- ✓ Operators and maintenance personnel shall be physically able to handle the bulk, weight and power of the tool.
- ✓ Hold the tool correctly; be ready to counteract normal or sudden movements and have both hands available.
- ✓ Maintain a balanced body position and secure footing.
- ✓ Release the start-and-stop device in the case of an interruption of the energy supply.
- ✓ Use only lubricants recommended by the manufacturer.
- ✗ **DO NOT** use in confined spaces and beware of crushing hands between tool and workpiece, especially when unscrewing.
- ✓ For multiple hazards, read and understand the safety instructions before installing, operating, repairing, maintaining, changing accessories on, or working with the tool. Failure to do so can result in serious bodily injury.
- ✓ Only qualified and trained operators should install, adjust or use the tool.
- ✗ **DO NOT** modify this assembly power tool for threaded fasteners. Modifications can reduce the effectiveness of safety measures and increase the risks to the operator.
- ✗ **DO NOT** discard the safety instructions; give them to the operator.
- ✗ **DO NOT** use the tool for threaded fasteners if it has been damaged.
- ✓ Tools shall be inspected periodically to verify that the markings are legibly marked on the tool.
- ✓ The user shall contact the manufacturer to obtain replacement marking labels when necessary.

2. INTRODUCTION

Fits most passenger and light commercial diesel injectors including Delphi, Denso, and Siemens.

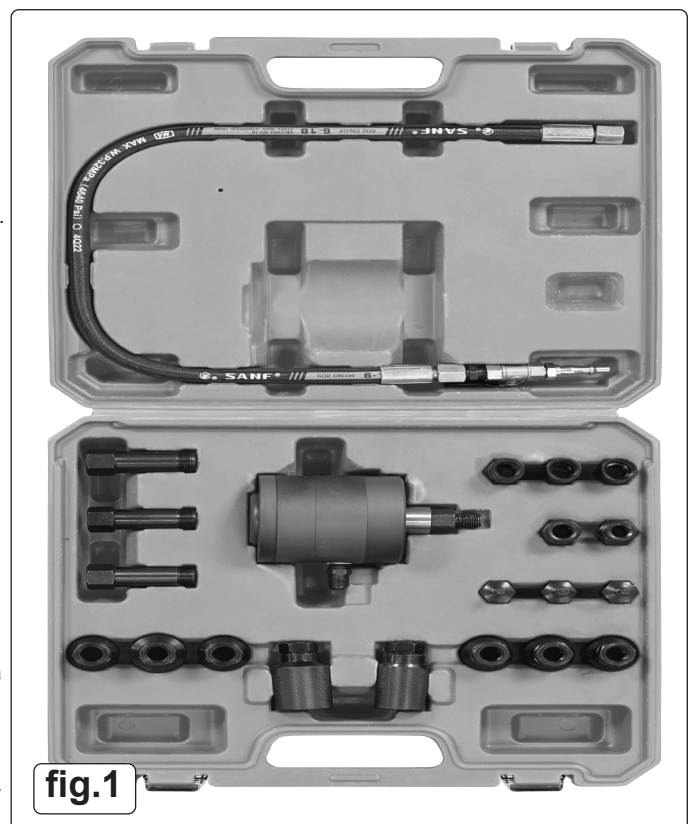
Uses vibration and pneumatic force to easily remove seized injectors. The set includes a pneumatic diesel injector puller, adaptors, an air hose and a control valve with a 1/4" BSP connector. Maximum air supply 116psi (8 bar). Storage case supplied.

3. SPECIFICATION

Model: VS2080
 Contents:
 Pneumatic diesel injector puller, Hose with control valve.
 Adaptors: 9mm M25x0.5. 10mm M17x1.0, M18x0.75, M20x1.0, M27x0.75, M27x1.0(x2). 11mm M29x1.0. 13mm M25x1.0. 14mm M8x1.0, M8x1.25, M10x1.5 15mm M20x1.5, M22x1.5, M26x0.75, M31x0.75. 18mm M12x1.5, M14x1.5, M16x1.5, M18x1.5.

4. OPERATION

- 4.1. Select and mount the appropriate connector to the injector concerned (internally or externally threaded).
 NOTE: Tighten the connector to between 20 and 30 Nm.
- 4.2. Screw the vibration unit carefully onto the connector.
- 4.3. With the pneumatic supply set to between 5 and 8 bar, connect the air line to vibration unit ensuring that the control valve is set to the closed position.
 NOTE: The air line should provide only clean dry air or the unit may become damaged.
- 4.4. Open the control valve slowly to commence vibration and open it further or close it to adjust the rate of vibration.
- 4.5. When the injector is loose, shut off the air supply and carefully lift out the assembled unit.
- 4.6. Disassemble the unit and clean off the component parts using a clean and soft cloth.
- 4.7. Prior to replacing the unit in the case and after approximately 8 hours usage, place no more than 1ml of oil into the air inlet in order to prevent the units' internals becoming wet and rusted.



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.



Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR



01284 757500



sales@sealey.co.uk



www.sealey.co.uk