COOLING SYSTEM VACUUM PURGE & REFILL KIT

MODEL NO: **VS0042.V2**

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 | Wear eye protection | Wear protective gloves | Wear safety footwear | Wear protective clothing

1. SAFETY

- ✓ Follow workshop Health & Safety rules, regulations and conditions when using this equipment.
- ❑ **WARNING!** Disconnect from air supply before changing accessories or servicing.
- ✓ Maintain the equipment in good condition and replace any damaged or worn parts.
- ✓ Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ❑ **WARNING!** Check that correct air pressure is maintained and **DOES NOT** exceed 100psi.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure all connections are secure.
- ✓ Wear approved safety gloves and eye and ear protection.
- ✓ Keep the tool clean and in good working order for best and safest performance.
- × **DO NOT** use the tool for a task it is not designed to perform.
- ❑ **WARNING! DO NOT** use the tool if damaged or thought to be faulty. Contact your local service agent.
- × **DO NOT** drop, throw or abuse the tool.
- × **DO NOT** carry the tool by the air hose, or yank the hose from the air supply.
- × **DO NOT** operate the tool if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- × **DO NOT** direct air from the air hose at yourself or others.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ When not in use disconnect from air supply and store in a safe, dry, childproof location.
- ❑ **WARNING!** The warnings, cautions and instructions referred to in this instruction 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

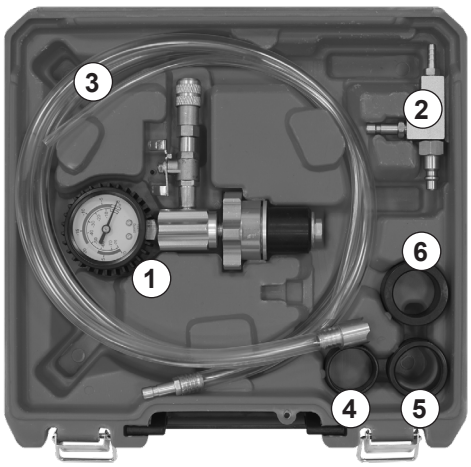
Dramatically reduces cooling system refill time, without mess and without introducing airlocks. No more time-consuming cooling system bleeding and no messy spills to clean up. Simply plug into the workshop air line, attach it to the cooling system header tank and create a vacuum. Complete the process by attaching the filler hose and opening the valve allowing your premixed coolant to flow into the system. Kit includes three adaptors, for correct fitment. Supplied in a storage case.

3. SPECIFICATION

Model No:..... VS0042.V2
Air Consumption: 12cfm
Air Inlet Size:..... 1/4"BSP
Fluid Hose Length:..... 900mm
Nett Weight: 2.04kg
Recommended Air Pressure: 90psi

4. CONTENTS

#	MODEL NO.	ITEM
1	VS0042-V2-01	Cooling System Adaptor (C/W Gauge)
2	VS0042-V2-02	Vacuum Pump
3	VS0042-V2-03	Coolant Hose (C/W Adaptor)
4	VS0042-V2-04	Rubber Adaptor (O.D 35mm)
5	VS0042-V2-05	Rubber Adaptor (O.D 40mm)
6	VS0042-V2-06	Rubber Adaptor (O.D 45mm)

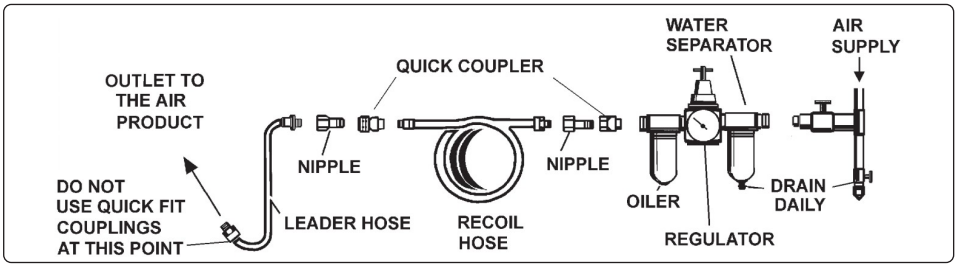


5. PREPARATION

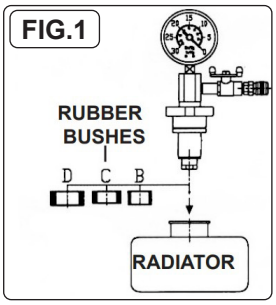
- ❑ **WARNING!** Ensure the air supply is clean and does not exceed 90psi while operating the wrench. Too high an air pressure and/or unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage and/or personal injury.

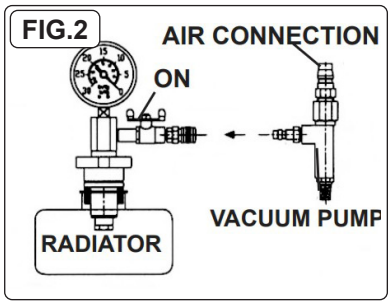
5.1. AIR SUPPLY

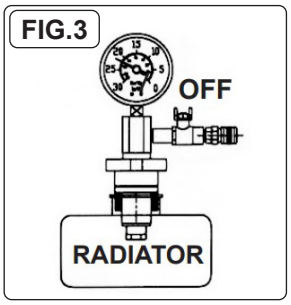
5.1.1. Ensure the valve is closed when connecting to the air supply.
5.1.2. You will require an air pressure of 90psi, and an air flow according to specification.
5.1.3. Drain your compressor air tank of water daily. Water in the air line will damage the wrench.
5.1.4. Clean the compressor air inlet filter weekly. Recommended hook-up procedure is shown below.
5.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D. and fittings must have the same inside dimensions.
5.1.6. Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

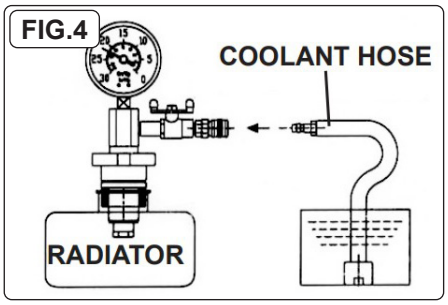


6. OPERATION









❑ **WARNING!** Ensure you read, understand and apply safety instructions before use.

6.1. PREPARATION

6.1.1. Set vehicle heater control to 'On' and/or 'Hot'. Drain and flush coolant system.
6.1.2. Inspect all coolant system components and repair/replace any unserviceable items.
6.1.3. Prepare a suitable coolant mix (see vehicle handbook). Mix 10% more than the system volume to ensure that the filler hose will always be submerged.
6.1.4. Connect the VS0042.V2 to the air system as described above.

6.2. SUCTION FILLING

6.2.1. Raise the container of coolant level with the fill point.
6.2.2. Using a suitable bush (fig.1) fit VS0042.V2 into the filler neck of the radiator (or header tank, if fitted).
6.2.3. Insert and support the air line so that VS0042.V2 is not pulled off centre.
NOTE: on some vehicles fitted with an overflow tank, it may be necessary to clamp the overflow hose.
6.2.4. Open the valve (Fig.2) and turn on the air supply.
6.2.5. Allow the vacuum level to reach approximately 20-25inHg (50-60cmHg) and close the valve (Fig.3).
NOTE: during this procedure the radiator hoses will collapse under the vacuum being generated - this is normal.
6.2.6. Turn off and disconnect the air supply and remove the vacuum pump. Check the gauge over the next 3 minutes. If the gauge reading drops there is a system leak which will require locating and rectifying before proceeding further.
6.2.7. Place the filler hose into the container of coolant and connect the other end of the hose into the VS0042.V2 (Fig.4). Ensure that the end of the hose remains submerged throughout the filling process.
6.2.8. Open the valve fully and coolant will flow into the cooling system. For best results raise the coolant container above the level of the filler neck.
6.2.9. When the gauge reads '0' turn the valve to the off position and remove VS0042 from the filler neck. If necessary top-up the coolant to the specified level and refit the pressure cap. The system is filled and free from air locks.
6.2.10. Start the engine and run until normal operating temperature is reached. Allow to cool and top-up coolant if necessary.
6.2.11. It is advisable to now pressure test the system and to check the operation of the thermostat and cooling fan(s).
6.2.12. When not in use, disconnect from air supply, clean and store in a safe, dry, childproof location.

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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.
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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