



# EV/HYBRID COOLING SYSTEM VACUUM PURGE & REFILL KIT

MODEL NO: **VS0047**

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 ear protection

## 1. SAFETY

- ✓ Ensure all workshop safety rules, regulations and conditions are complied with when using this tool.
- WARNING!** Disconnect from the 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.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure that all connections are secure.
- ✓ Wear approved safety eye and ear protection (available from your Sealey supplier).
- ✓ Keep this 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 it is 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 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 the air supply and store in a safe, dry, childproof location.
- WARNING!** The warnings, cautions and instructions discussed 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, select appropriate cap and attach it to the cooling system header tank and create a vacuum. Hook attachment and long reach hoses provide tidy operating space. Kit includes specific caps for full electric, plug in hybrid and conventional internal combustion engines. Supplied in a storage case.

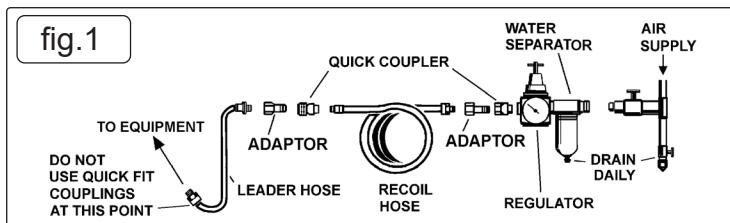
## 3. SPECIFICATION

Model No:	VS0047
Air Consumption:	6.3cfm
Air Inlet Size:	1/4"BSP
Fluid Hose Length:	Coolant Suction Hose - 1500mm Coolant Refill Hose - 1000mm Drain Hose - 590mm
Recommended Air Pressure:	90psi

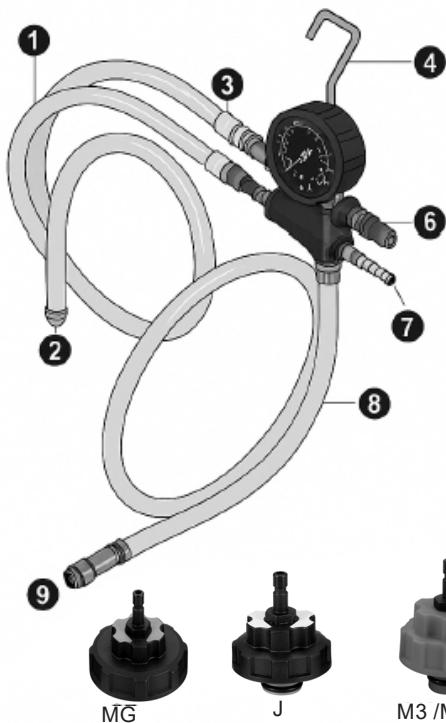
## 4. AIR SUPPLY

- 4.1. Recommended hook-up is shown in fig.1. Ensure that both coolant and vacuum taps are in the 'off' position (fully to the left or right) when connecting the air supply.
- WARNING!** Ensure that the air supply is clean and does not exceed 100psi. Too high an air pressure or unclean air will shorten the life of the filler due to excessive wear, and may be dangerous, causing damage and/or personal injury.
  - 4.1.1. Drain the air tank on the compressor daily.
  - 4.1.2. Clean compressor air inlet filter weekly.
  - 4.1.3. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose size should be 1/4" I.D. And fittings must have the same internal bore.
  - 4.1.4. Keep hose away from heat, oil and sharp edges. Check hose for wear and make certain that all connections are secure.

fig.1



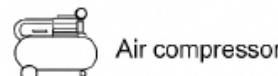
## 5. CONTENTS



### VACUUM-TYPE COOLANT REFILL TOOL

1	Coolant suction hose	1,500 mm / 4.9 ft
2	Drain hose	600 mm / 2 ft
3	Coolant valve	
5	Gauge	-1 - 0 bar / -760 cmHg
6	Air valve	
7	Air compressor connector	
8	Coolant refill hose	700 mm / 2.3 ft
9	Hose connector to adapters	

### OTHER TOOLS REQUIRED BUT NOT INCLUDED



Air compressor



Container with premixed coolant at adequate volume



## 6. OPERATION

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

### 6.1. PREPARATION

**WARNING!** Disconnect from the air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts.

**NOTE:** Use genuine parts only. Non genuine parts may be dangerous and will invalidate the warranty. Air supply faults may cause loss of power or erratic action. Reduced compressor output, excessive drain on the air line, moisture or restrictions in air pipes or the use of hose connections of improper size may reduce air supply.

- 6.1.1. Jack up the car and drain old coolant.
- 6.1.2. After draining the coolant, lower the car.
- 6.1.3. Hang the tool under the bonnet.
- 6.1.4. Connect a suitable adapter to the radiator filler neck (fig 2), and connect the coolant refill hose to the adapter.
- 6.1.5. Put the coolant suction hose in the premixed coolant, and remain submerged under the surface the whole time.
- 6.1.6. Make sure all valves are closed and connect to air compressor.
- 6.1.7. Open the air valve and vacuum can be created (fig 3).
- 6.1.8. When no more vacuum can be created, turn off the air valve.
- 6.1.9. Open the coolant valve, and the coolant will be introduced to the cooling system automatically (fig 4).
- 6.1.10. Verify the coolant level, connect the original cap. Fast refill and no air bleeding



fig.2  
R BEAM, MODEL X



fig.3



fig.4

## 7. APPLICATIONS

The application below is for reference only. More vehicle applications are possible. Some car models may have multiple suitable adapters due to variations in body style (e.g. sedan, hatchback, or cabriolet), engine size and capacity (e.g. 1.6L, 1.8L, 2.4L), and engine numbers.

Make	Model	Year	Adapter	Remarks
Alfa Romeo	145	1996-2001	R	
Alfa Romeo	146	1994-2001	R	
Alfa Romeo	147	2001-2010	R	
Alfa Romeo	156	1997-2006	R	
Alfa Romeo	164	1987-1998	R	
Alfa Romeo	166	1998-2007	R	
Alfa Romeo	Giulietta	2010-2020	R	
Alfa Romeo	GT	2003-2010	R	
Alfa Romeo	GTV	1994-2005	R	
Alfa Romeo	MiTo	2008-2018	R	
Alfa Romeo	Spider	1994-2005	R	
Alfa Romeo	Tonale	2022-2024	J	
Chrysler	Pacifica	2017-2024	J	
Chrysler	Voyager	2020-2024	J	
Citroen	Berlingo	2008-2024	R	
Citroen	C-Elysée	2012-2021	R	
Citroen	C1	2005-2024	R	
Citroen	C2	2003-2009	R	
Citroen	C3	2002-2024	R	
Citroen	C3 Aircross	2017-2024	R	
Citroen	C3 Picasso	2009-2024	R	
Citroen	C4	2005-2024	R	
Citroen	C4 Cactus	2014-2024	R	
Citroen	C4 Picasso	2006-2022	R	
Citroen	C5	2001-2024	R	
Citroen	C5 Aircross	2017-2024	R	
Citroen	C5 X	2021-2024	R	
Citroen	C6	2005-2012	R	
Citroen	C8	2002-2024	R	
Citroen	Dispatch	1995-2006	R	
Citroen	Dispatch	1996-2024	R	
Citroen	Jumper	1993-2024	R	
Citroen	Nemo	2008-2024	R	
Citroen	Relay	2006-2024	R	
Citroen	Synergie	1994-2002	R	
Citroen	Xsara Picasso	1999-2012	R	
Fiat	500	2007-2024	R	Fiat 500 Europe
Fiat	500C	2009-2024	R	

Make	Model	Year	Adapter	Remarks
Fiat	500e	2020-2024	J	BEV
Fiat	500L	2014-2020	R	
Fiat	Brava	1996-2002	R	
Fiat	Bravo	2007-2014	R	
Fiat	Doblo	2001-2024	R	
Fiat	Fiorino	2007-2024	R	
Fiat	Grande Punto	2005-2013	R	
Fiat	Idea	2004-2024	R	
Fiat	Linea	2007-2024	R	
Fiat	Marea	1996-2003	R	
Fiat	Multipla	1999-2010	R	
Fiat	Palio	1996-2023	R	
Fiat	Panda	2003-2024	R	
Fiat	Punto	1999-2012	R	
Fiat	Punto Evo	2009-2012	R	
Fiat	Qubo	2008-2024	R	
Fiat	Scudo	2002-2024	R	
Fiat	Seicento / 600	1998-2009	R	
Fiat	Siena	1998-2012	R	
Fiat	Stilo	2001-2008	R	
Fiat	Strada	1999-2024	R	
Fiat	Ulysse	1994-2011	R	
Ford	KA	2008-2016	R	
Nfiniti	Q30	2015-2019	R	1.5 dCi
Nfiniti	Q70	2013-2019	R	3.5 Hybrid
Jeep	Avenger	2023-2024	R	
Jeep	Grand Cherokee	2016-2024	J	
Jeep	Wrangler	2018-2024	J	
Land Rover	Defender	1990-2016	R	
Land Rover	Freelander	1998-2006	R	
Maserati	4200 GT	2001-2007	R	
Maserati	Ghibli	2013-2024	R	
Maserati	Gran Turismo	2007-2019	R	
Maserati	Grancabrio	2010-2019	R	
Maserati	Levante	2016-2024	R	
Maserati	Quattroporte	2004-2012	R	
Maserati	Quattroporte	2013-2024	R	
Mercedes-Benz	Citan W415	2012-2024	R	
MG	4 EV	2022-2024	MG	
MG	GS	2016-2019	MG	
MG	HS	2018-2024	MG	
MG	HS PHEV	2020-2024	MG	
MG	HS PHEV	2020-2024	C/MG/EV	
MG	MG3	2011-2024	MG	
MG	MG5	2020-2024	MG	
MG	MG6	2010-2024	MG	
MG	MG6	2018-2024	MG	
MG	MG7	2023-2024	MG	
MG	RX5	2016-2024	MG	

Make	Model	Year	Adapter	Remarks
MG	ZS	2017-2024	MG	
MG	ZS EV	2020-2024	MG	
MG	ZS EV	2020-2024	C/MG/EV	
Mini	Convertible	2004-2008	R	R52
Mini	Hatchback	2001-2006	R	R50, R53
Nissan	Ariya	2023-2024	R	BEV
Nissan	E-NV200	2013-2021	R	BEV
Nissan	Interstar	2002-2006	R	
Nissan	Juke	2010-2024	R	Nissan Europe
Nissan	Kicks	2018-2022	R	
Nissan	Kubistar	2003-2024	R	
Nissan	Micra	2003-2022	R	
Nissan	Note	2004-2024	R	
Nissan	Primastar	2001-2021	R	
Nissan	Pulsar	2014-2023	R	
Nissan	Qashqai	2006-2023	R	
Nissan	Rogue Sport	2019-2024	R	
Nissan	Sentra	2020-2024	R	
Nissan	Versa	2019-2024	R	
Nissan	X-Trail	2014-2024	R	
Opel	Arena	1997-2001	R	1.9 D, 2.5 D
Opel	Astra	2021-2024	R	
Opel	Combo	2012-2018	R	
Opel	Combo	2019-2024	R	
Opel	Corsa	2019-2024	R	Including Corsa-e
Opel	Crossland	2017-2024	R	
Opel	Grandland	2017-2024	R	
Opel	Insignia	2017-2021	R	
Opel	Meriva	2003-2010	R	
Opel	Movano	1997-2021	R	
Opel	Vivaro	1999-2024	R	
Opel	Vivaro-e	2020-2024	R	BEV
Peugeot	106	1996-2003	R	
Peugeot	107	2005-2014	R	
Peugeot	108	2014-2024	R	
Peugeot	206	1998-2012	R	
Peugeot	207	2006-2014	R	
Peugeot	208	2012-2024	R	Including e-208
Peugeot	301	2012-2024	R	
Peugeot	307	2001-2013	R	
Peugeot	308	2013-2024	R	Including e-308
Peugeot	407	2003-2010	R	
Peugeot	408	2022-2023	R	
Peugeot	508	2010-2023	R	
Peugeot	607	1999-2010	R	
Peugeot	807	2002-2024	R	
Peugeot	1007	2004-2009	R	
Peugeot	2008	2013-2024	R	
Peugeot	3008	2008-2024	R	
Peugeot	5008	2009-2024	R	
Peugeot	Boxer	1993-2024	R	
Peugeot	Expert	1999-2024	R	
Peugeot	Partner	2008-2024	R	
Peugeot	RCZ	2009-2015	R	

Make	Model	Year	Adapter	Remarks
Peugeot	Rifter	2018-2024	R	
Peugeot	806	1994-2002	R	
RAM	1500	2019-2024	J	3.6L Hybrid, 6.2L
RAM	2500	2016-2016	R	3.6L; 3.0L Diesel
RAM	ProMaster	2014-2018	R	All variants
RAM	ProMaster City	2015-2024	R	
Renault	Arkana	2019-2024	R	
Renault	Avantime	2001-2003	R	
Renault	Captur	2013-2024	R	
Renault	Clio	1990-2024	R	
Renault	Espace	1991-2024	R	
Renault	Fluence	2010-2020	R	
Renault	Kadjar	2015-2021	R	
Renault	Kangoo	1997-2024	R	
Renault	Koleos	2008-2024	R	
Renault	Laguna	1993-2015	R	
Renault	Latitude	2010-2015	R	
Renault	Master	1997-2024	R	
Renault	Megane	1995-2024	R	
Renault	Modus	2004-2014	R	
Renault	Safrane	1996-2000	R	
Renault	Scenic	1997-2022	R	
Renault	Talisman	2015-2022	R	
Renault	Thalia	2008-2021	R	
Renault	Trafic	2001-2024	R	
Renault	Twingo	1993-2023	R	
Renault	Vel Satis	2002-2010	R	
Renault	Wind	2010-2024	R	
Renault	Zoe	2012-2024	R	Electric
Suzuki	Grand Vitara	2005-2015	R	1.9 DDiS
Suzuki	Jimny	1998-2018	R	1.5 DDiS
Tesla	Model 3	2017-2024	M3 & MY	BEV
Tesla	Model S	2012-2024	MS & MX	BEV
Tesla	Model X	2015-2024	MS & MX	BEV
Tesla	Model Y	2020-2024	M3 & MY	BEV
Toyota	Aygo	2005-2014	R	
Toyota	ProAce	2016-2024	R	Diesel & Electric
Volvo	C70	1996-2005	R	
Volvo	S40	2000-2004	R	
Volvo	S60	2001-2010	R	
Volvo	S70	1998-2000	R	
Volvo	S80	1999-2006	R	
Volvo	V40	2000-2004	R	
Volvo	V70	1998-2007	R	
Volvo	XC90	2003-2015	R	

## 8. MAINTENANCE

- 8.1. When not in use, disconnect the air supply from the filler.
- 8.1.1. Clean the filler with a slightly dampened cloth and store it 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.



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**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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