

1. INTRODUCTION

The kit consists of a bottle of ultraviolet dye for engine coolant, an ultraviolet lamp to show up any leaks and UV protective goggles.

2. SAFETY INSTRUCTIONS

- ☐ **WARNING!** Ensure that Health and Safety, local authority and general workshop practice regulations are adhered to when using tools.
- ☐ **WARNING!** Be very careful when working with hot, pressurised cooling systems. There is a high risk of very serious scalding. Always wear eye protection.
- ✗ **DO NOT** use tools if damaged.
- ✓ Maintain tools in good and clean condition for best and safest performance.
- ✓ Ensure that a vehicle which has been jacked up is adequately supported with axle stands.
- ✓ Wear supplied eye protection. A full range of personal safety equipment is available from your Sealey dealer.
- ☐ **WARNING! DO NOT look into the UV lamp, even if wearing the UV goggles, and DO NOT point the lamp at other people or animals.**
- ✓ Wear suitable clothing to avoid snagging. Do not wear jewellery and tie back long hair.
- ✓ Account for all tools and parts being used and do not leave them on or near the engine.
- ✓ On completion of work, place the equipment back in the carry-case and store in a cool, dry, childproof area.
- ✓ Wear suitable protective clothing, gloves and eye protection when handling the dye (Leak Detection Fluid) which can cause irritation on contact with skin and eyes. A safety data sheet covering the Leak Detection Fluid VS60112 is obtainable via your local Sealey dealer.

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.

Ambient Range	
Temperature	10 to 45°C
Humidity	20 to 90%

3. INSTRUCTIONS

3.1. Dye

- 3.1.1. Add dye to the cooling system via the radiator filler or the expansion bottle. **Take extreme care when removing the filler cap if the engine is warm or hot.** The kit is supplied with 10 small bottles, each containing 35ml of dye. Each bottle will treat 11.5 litres of coolant. To avoid waste we suggest that the dye is added in 5ml doses until the mix fluoresces sufficiently.
- 3.1.2. Run the engine until the thermostat is open and then for a further few minutes, to ensure complete mixing and distribution of the dye.
- 3.1.3. Switch off the engine.

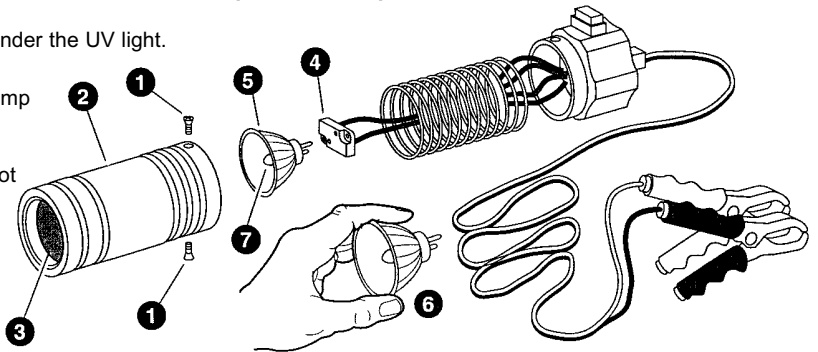
3.2. Leak detection

Note: Leaks will be more obvious if the UV inspection is carried out in low ambient light.

- 3.2.1. Connect the UV lamp to the vehicle battery terminals, or other suitable 12 volt supply, noting that correct polarity (red clamp to positive terminal) is important.
- 3.2.2. **Wearing the UV safety goggles,** point the UV lamp at the area to be inspected and then press the switch to turn it on. Switch off the lamp while redirecting it to the next area of interest.
Warning! The lamp gets hot during use. Do not touch the lens, do not place the lamp near inflammable material and do not return the lamp to the case until it has cooled.
Leaks will become obvious as the dye will fluoresce under the UV light.

3.3. Bulb replacement

- 3.3.1. Remove the two body screws (1) and pull apart the lamp body, taking care not to damage the lens (3).
- 3.3.2. Disconnect the bulb (5) from the socket (4).
- 3.3.3. Fit the new bulb to the socket, ensuring that you do not touch the bulb glass (7). Always hold the bulb by the outer edge (6). Touching the glass will shorten the life of the bulb.
- 3.3.4. Reassemble the lamp and refit the two body screws (1).



4. DECLARATION OF CONFORMITY

Declaration of Conformity We, the sole importer into the UK, declare that the product listed below is in conformity with the following standards and directives.

Cooling System Leak Detection Kit
Model VS601

89/336/EEC EMC Directive
93/68/EEC CE Marking Directive



The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

21st October 2002

For Jack Sealey Ltd. Sole importer into the UK of Sealey Professional Tools.

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 responsibility is accepted for incorrect use of this equipment.

WARRANTY: Guarantee is 12 months from purchase, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.