

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 AND CAUTIONS. USE THIS 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.

1. SAFETY INSTRUCTIONS

- ✓ Ensure that Health & Safety, local authority and general workshop practice regulations are strictly adhered to when using tools.
- ✓ Maintain the equipment in good and clean condition for best and safest performance. DO NOT use if damaged.
- ✓ Wear approved eye protection. A full range of personal safety equipment is available from your Sealey dealer.
- ✓ 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 in, on or near the engine.
- ▲ **IMPORTANT:** Refer to the vehicle manufacturer's service instructions, or proprietary manual, to establish the correct procedure and data.
These instructions are provided as a guide only.
- ▲ **IMPORTANT:** Ensure the vehicle has been serviced and that the air screw and pilot screw have been correctly adjusted.
- **WARNING!** Exhaust fumes are dangerous, ensure steps are taken to remove fumes from work area.
- **WARNING!** We assume that anybody using the VS209 will have some knowledge of the mechanics of their vehicle particularly in regard to safe handling of fuel systems and removal of fuel tank. If you have any doubt refer the job to a professional mechanic.

2. INTRODUCTION

One of the most comprehensive balancer sets available on the market. Features a bank of four mini-gauges with lockable valves enables user to hold vacuum values in use. Supplied with set of long and short carburettor adaptors for easy access amongst the tubes and wires around the carburettor. Includes four 1500mm delivery tubes and hanging loop for the gauge bank. Supplied in carry-case.

3. INSTRUCTIONS FOR USE

3.1 SETUP

- 3.1.1 Start the vehicle and run until it will operating without choke. When this has been achieved turn off the engine and fit the vacuum gauges as follows.
- 3.1.2 Remove the inlet manifold vacuum screw(s). Select the appropriate extension connector and screw into the inlet manifold of your vehicle, do not overtighten -finger pressure is adequate.
- 3.1.3 Repeat for the remaining carburettors (up to four).
- 3.1.4 Push fit the rubber hose to each extension connector ensuring a good fit so no air will leak.
- 3.1.5 Push fit the other end of the hose to the gauges ensuring a good fit so no air will leak.

3.2 USE

- 3.2.1 Close the lockable valves (Fig. 1) and start the engine.
- 3.2.2 Open each regulator gradually by turning the lockable valves (Fig. 1) until the display needle stabilises.
- 3.2.3 Refer to the vehicle handbook for slide adjustments to the carburettors, following the vehicle handbook, make the adjustments to each carburettor until all the display needles are displaying the same reading.
- 3.2.4 Advance the throttle a few times and allow the engine to settle back to tickover. You can close the lockable valves to hold vacuum values in use. Re-check the display readings and confirm they are still reading the same values. If not re-adjust the carburettors.
- 3.2.5 When synchronization is complete switch off engine and remove extension connectors from the manifold. Replace the vacuum screw(s) back in the inlet manifold.



Fig. 1

Release valve