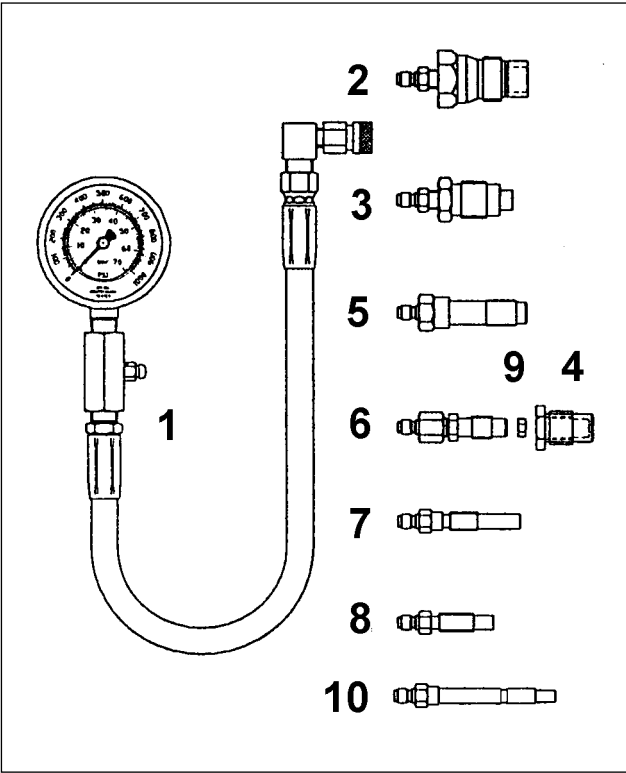


VS204
DIESEL ENGINE COMPRESSION
TEST KIT for CARS & LIGHT VANS



PARTS LIST

- 1. VS204/1 GAUGE & HOSE ASSEMBLY
- 2. VS204/2 M24 INJECTOR ADAPTOR
- 3. VS204/3 M20 INJECTOR ADAPTOR
- 4. VS204/4 M18 GLOW PLUG ADAPTOR
- 5. VS204/5 M14 GLOW PLUG ADAPTOR
- 6. VS204/6 M12 GLOW PLUG ADAPTOR
- 7. VS204/7 M10 GLOW PLUG ADAPTOR (MEDIUM)
- 8. VS204/8 M10 GLOW PLUG ADAPTOR (SHORT)
- 9. VS204/9 NYLON SEAL
- 10. VS204/10 M10 GLOW PLUG ADAPTOR (LONG)

1. INTRODUCTION

The VS204 is designed to measure cylinder compression, by a “cranking” test, on both direct or indirect injection engines. Adaptors are supplied to cover most vehicle applications with the use of either dummy glow plugs or dummy injectors.

2. APPLICATION

VS204/2 M24 Injector Adaptor:Audi, Bedford, Ford, Mercedes-Benz, Peugeot, Vauxhall/Opel, Volkswagen.

VS204/3 M20 Injector Adaptor:Nissan, Toyota.

VS204/4 M18 Glow Plug Adaptor:Peugeot, Mercedes.

VS204/5 M14 Glow Plug Adaptor:Citroen, Fiat, Land Rover, Vauxhall/Opel.

VS204/6 M12 Glow Plug Adaptor:Alfa-Romeo, Bedford, BMW, Citroen, Fiat, Ford (cars & vans), Leyland, Mercedes-Benz (cars & vans), Peugeot/Talbot, Renault (cars & vans), Rover, Vauxhall/Opel.

VS204/7 M10 Glow Plug Adaptor (Medium): . . .Bedford (Midi van), Daihatsu, Mazda, Mitsubishi, Toyota.

VS204/8 M10 Glow Plug Adaptor (Short):Mazda, Mitsubishi, Nissan, Toyota.

VS204/10 M10 Glow Plug Adaptor (Long):Bedford, Mazda, Mitsubishi, Toyota.

3. SAFETY INSTRUCTIONS

- ❑ **WARNING! Ensure all health and safety, local authority, and general workshop practice regulations are strictly adhered to when using product.**
- ✓ Compression tests on diesel engines should be conducted when the engine is cold.
- ✓ Maintain tools in good and clean condition for best and safest performance. DO NOT use test kit 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.
- ✓ Use proper ventilation and avoid breathing in exhaust fumes.
- ✓ Keep a fire extinguisher to hand.
- ✓ Fuel delivery must be prevented by either operating the engine stop lever or disconnecting fuel pump solenoid.
- ✓ Ensure you keep tester at arms length when relieving pressure to avoid personal injury.
- ✓ Protect your hands from burns as quick release coupling and adaptors may become hot during use.
- ✓ Account for all tools and parts being used and do not leave them in or near the engine.
- ✗ DO NOT remove the compression test equipment while engine is being cranked.

IMPORTANT: Always refer to the vehicle manufacturer's service instructions, or proprietary manual to establish the current procedure and data. These instructions for use are provided as a guide only .

4. INSTRUCTIONS FOR USE

- ❑ **WARNING! Ensure you read, understand and follow the safety instructions for this product. Engine fuel delivery must be prevented by either operating the engine stop lever or disconnecting the fuel pump solenoid.**

NOTE: Compression tests on diesel engines should be conducted when the engine is cold.


- 4.1. Ensure battery is fully charged when carrying out a crank test as this could influence result.
- 4.2. Remove the glow plug or injector from the cylinder to be tested and replace it with the appropriate adaptor (see applications).
- 4.3. Crank engine whilst observing gauge, the indicator needle will increase in steps until a maximum is reached, stop cranking at this point.
- 4.4. Make a note of the gauge reading.
- 4.5. Depress relief valve to relieve pressure. **WARNING!** Keep at arms length due to high pressure.
- 4.6. Remove the tester and adaptor and install on the next cylinder for testing.
- 4.7. Repeat steps 3-6 until all cylinders have been tested. Compare data obtained with that published by manufacture.

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 equipment. **WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim. **INFORMATION:** Call us for a copy of our latest catalogue on 01284 757525 and leave your full name and address including your postcode.



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