FUEL PRESSURE TEST KIT

MODEL NO: **VS564**

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 protective clothing

1. SAFETY

1.1. FUEL SAFETY

❑ **WARNING!** Ensure Health and Safety, local authority, and general workshop practice regulations are adhered to when working with fuel injection systems and petrol in general.

❑ **WARNING!** Petrol fumes and battery gases are explosive, **DO NOT** smoke or allow an open flame or sparks in the work area.

1.2. FUEL LEAKS

✓ Keep a dry chemical (class B) fire extinguisher near to the work area.
Avoid fire hazard by using caution when disconnecting fuel lines and installing adaptors, as some spillage is inevitable.

✓ When connecting, or disconnecting from a fuel system, relieve pressure from system and wrap a cloth around the fuel line fitting to absorb any fuel leakage. Constantly check gauge and adaptor connections for leaks. If you see leakage turn off the ignition or disable the fuel pump, relieve fuel pressure if necessary and correct leaks before continuing.

✓ When using 'tee' adaptors, secure hose with hose clamps to ensure leak-free connections.

✓ Check all adaptor sealing washers and 'O' rings are in good condition before use.

✓ When connecting hose coupler to Test Port, Tee and In-Line Banjo Bolt Adaptors ensure coupler is correctly seated onto adaptor.

× **DO NOT** let fuel spill onto a hot engine.

× **DO NOT** allow fuel to remain in the adaptors or hoses after use. To clear any fuel trapped in the gauge/hose assembly after use, hold gauge vertical with hose coupler end in suitable fuel container. Depress coupler valve stem and at the same time, depress pressure relief button situated under the gauge.

❑ **WARNING!** Wipe up fuel spills immediately.

1.3. GENERAL

❑ **WARNING!** Exhaust gas contains deadly poisonous gases. Test area must be well ventilated - route exhaust gas outdoors.

✓ Maintain tools in good and clean condition for best and safest performance.

✓ If required, ensure the vehicle to be worked on is adequately supported with axle stands, ramps and chocks.

✓ Before performing a test with the engine running (unless the manufacturer's manual states otherwise), set the parking brake and place the gear selector in neutral or park, and chock the drive wheels.

✓ Before repairing the fuel system, turn off the ignition switch and disconnect the battery per manufacturer's procedure. Never disconnect the battery while the engine is running.

✓ Wear approved safety goggles. A full range of personal safety equipment is available from your Sealey stockist.

✓ Wear suitable clothing to avoid snagging. Do not wear jewellery and tie back long hair.

✓ Keep yourself, clothing and test equipment away from all moving or hot engine parts.

× **DO NOT** use tools if damaged.

× **DO NOT** use the components from this kit on diesel fuel systems

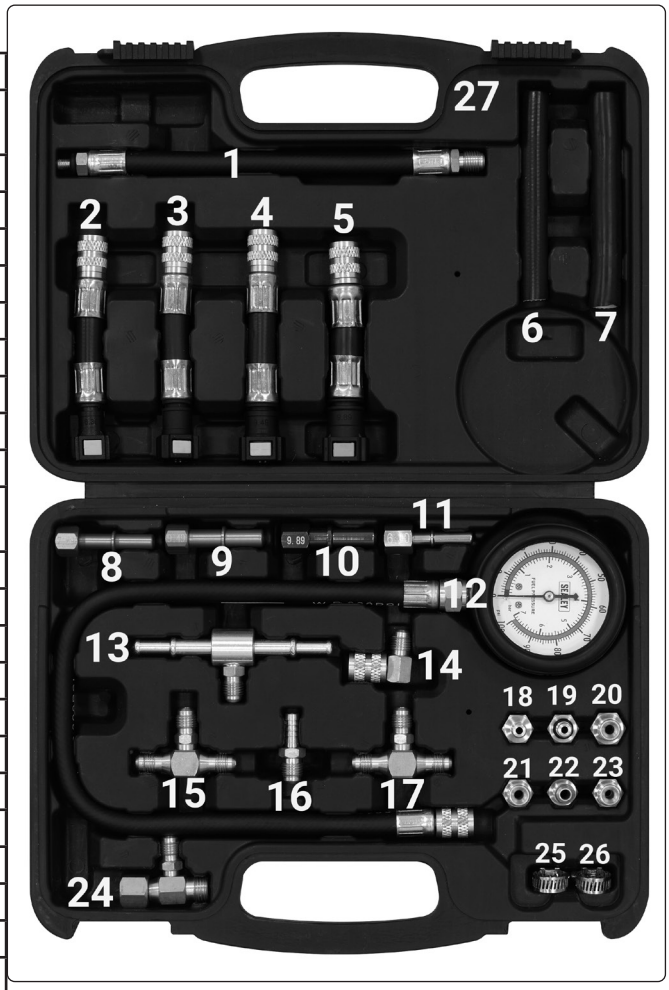
✓ Account for all tools being used and do not leave them in or near the engine.
IMPORTANT: Always refer to the vehicle manufacturer's service instructions, or proprietary manual to establish the current procedure and data. These instructions for use are provided as a guide only.

2. INTRODUCTION

Comprehensive kit of adaptors and fittings for modern petrol fuel circuits. Designed for easy and efficient detection of fuel pressure. Components fitted with quick coupling system and safety valve to prevent inadvertent discharge of fuel under pressure. Supplied with Ø62mm high pressure gauge with rubber bumper, dual scale meter reading 0-100psi and 0-7bar. Equipped with 17 connectors suitable for a wide range of vehicles. Manufactured from high grade copper and aluminum with high temperature resistant hose. Supplied in storage case.

3. CONTENTS

Part No.	Model No.	Description
1	VS564-01	Flexible Hose 12 x 215mm
2	VS564-02	Fuel Injection Hose (#6.30)
3	VS564-03	Fuel Injection Hose (#7.89)
4	VS564-04	Fuel Injection Hose (#9.49)
5	VS564-05	Fuel Injection Hose (#9.89)
6	VS564-06	Hose 8mm (5/16") 110mm
7	VS564-07	Hose 10mm (5/16")
8	VS564-08	Fuel Injection Hose Connector (#6.30-Red)
9	VS564-09	Fuel Injection Hose Connector (#7.89-Blue)
10	VS564-10	Fuel Injection Hose Connector (#9.49-Green)
11	VS564-11	Fuel Injection Hose Connector (#9.89-Bronze)
12	VS564-12	High Pressure Gauge Assembly Ø62mm
13	VS564-13	Hose Connection (Double-Ended)
14	VS564-14	Elbow Connector
15	VS564-15	Connector (3-way)
16	VS564-16	Fuel Hose Connector
17	VS564-17	Connector (3-way)
18	VS564-18	Adaptor M12 x 1.5 (M) & M8 x 1(M)
19	VS564-19	Adaptor M12 x 1.5 (M) & M14 x 1.5 (M)
20	VS564-20	Adaptor M12 x 1.25 (M) & M8 x 1 (M)
21	VS564-21	Adaptor M12 x 1.5 (M) & M8 x 1
22	VS564-22	Adaptor M12 x 1.5 (M) & 7/16-20 (F)
23	VS564-23	Adaptor M12 x 1.5 (M) & M10.1 (F)
24	VS564-24	Hose Connector (Push Type)
25	VS564-25	Hose Clip (A)
26	VS564-26	Hose Clip (B)
27	VS564-27	Blow Mould Case)



4. PRESSURE TESTS

CAUTION: Fuel system test begins with checking fuel injection system pressure. High fuel pressure may be present in fuel lines and components. Relieve fuel pressure before disconnecting any fuel system components.

4.1. FUEL PRESSURE CHECK FOR TBI

4.1.1. Disconnect negative battery cable. Remove fuel filler cap. Since these TBI units contain an internal bleed-down feature, after a short time, system fuel pressure should dissipate.

4.1.2. Remove air cleaner and plug thermal vacuum port on throttle body. When removing fuel line, always use 2 wrenches. Install Fuel Pressure Gauge and Adaptor in fuel system between steel line and flexible hose.
CAUTION: DO NOT pinch off fuel return line completely. DO NOT exceed pressure build-up of more than 13 psi. as regulator may be damaged.

4.1.3. Start engine and observe fuel pressure reading. Fuel pressure should read 9-13 psi. If fuel pressure is low, gradually pinch off fuel return line to fuel tank. If pressure remains low, check and/or replace fuel filter or fuel pump. If pressure increases to greater than 13 psi, replace fuel pressure regulator.

4.1.4. Allow fuel pressure to dissipate. Remove pressure gauge and reconnect fuel line. Start engine and watch for fuel system leaks.

4.2. FUEL PRESSURE CHECK OF PFI

4.2.1. Disconnect fuel pump at rear body connector (electrical). Start engine and run engine until it stalls. Crank starter for 3 seconds to remove remaining fuel from fuel lines. Reconnect rear body connector.

5. FUEL PRESSURE TEST

CAUTION: High fuel pressure may be present in fuel lines and component parts. Relieve pressure before attempting to open system for testing or component replacement. **DO NOT** allow fuel to run onto engine or electrical parts or allow an open flame in area while testing fuel system components.

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.
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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