

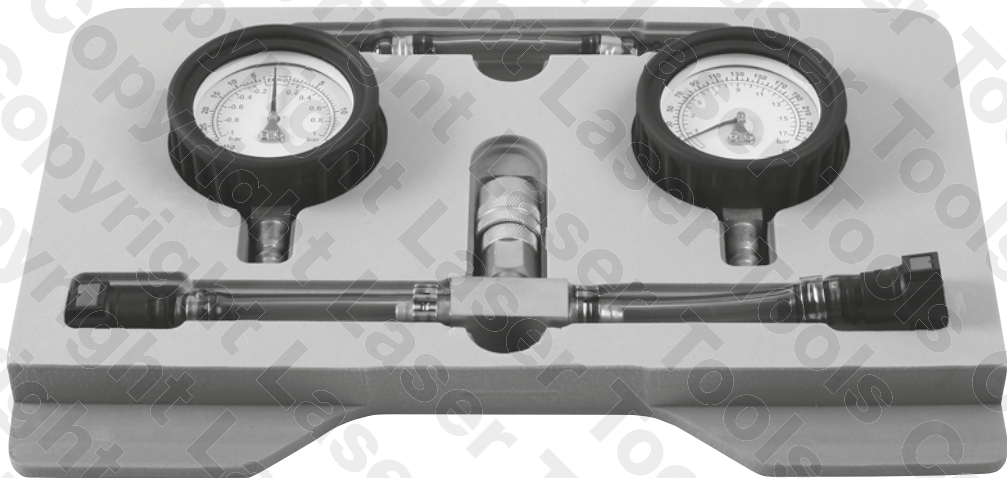
LASER[®]

Part No. 7849

Diesel Fuel Low Pressure Test Kit

Common Rail Diesel Engines

Instructions



EU REGISTERED
DESIGN

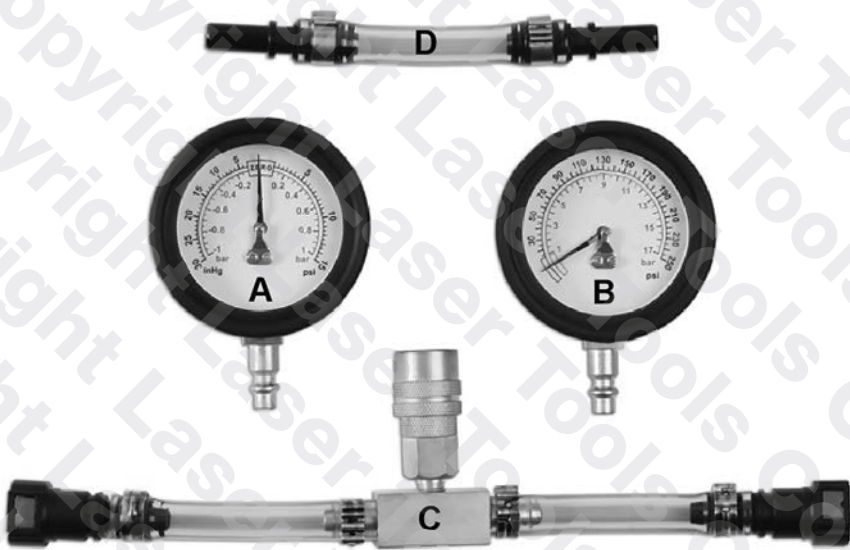
www.lasertools.co.uk

Introduction

Designed to allow the measurement of the diesel fuel pressure on the low pressure fuel feed side of common rail diesel engines.

- Diesel fuel low pressure and vacuum test kit. Fitted with clear pipes to allow easy identification of air ingress.
- Supplied with 9.89mm quick connectors for easy connection to Jaguar, Land Rover, Ford & Citroën Peugeot applications.
- Quickly and easily measure fuel pressure and vacuum.
- Can be used with engine running to establish post filter feed pressure variation.
- Compatible with adaptor pipes from Laser 5262, 7174, 5566, & 5567 kits.

Components

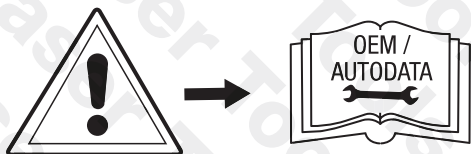


Ref.	Description
A	Vacuum Pressure Combination Gauge (-1 to +1 bar)
B	Pressure Gauge (0 to 17 bar)
C	Gauge Manifold with 9.89mm Quick Connectors
D	Connector Conversion Pipe (male to male 9.89mm)

Instructions

The following instructions are for guidance only. Please refer to OEM derived data such as the vehicle manufacturers' own data or Autodata.

The use of this set is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused whatsoever.



NOTE: Refer to vehicle manufacturers' instructions for vehicle/engine specific data.

Thoroughly clean the area around the fuel system connectors.

Checking For Blocked Fuel Filter

Many vehicles use a 9.89mm quick connector at the fuel filter on both the feed and exit ports. These allow the 7849 to be connected directly to the fuel filter on either side.

To establish the pressure drop across the filter, the 7849 must be connected first to the feed to the filter to obtain the feed pressure. Then connect the 7849 to the exit side of the filter to establish the feed pressure to the engine. If there is a significant difference then the filter is blocked.

For fuel systems that do not use 9.89mm quick connectors, other connector types are available from the Laser range. All of the following can be used to adapt the 7849 kit to link to these systems. Please see the following kits for the connector types available:

Laser 7174, Laser 5262, Laser 5567 and Laser 5566.

NOTE: Select gauge type according to the expected fuel system feed pressure.

Instructions

Measuring Fuel Pressure Before The Fuel Filter:

1. Connect the fuel pressure measurement kit on the fuel feed side to the filter as shown in Figure 1.



2. Switch ignition on, for pressure fed systems the fuel lift pump in the fuel tank should pressurise the system.
3. Run the engine checking for leaks and allow the pressure to stabilise. Record the pressure and check for clean, air bubble free, fuel in the pipes.
4. Rev the engine to ensure the pressure is maintained throughout the rev range.
5. Switch off the ignition and wait for the fuel pressure to drop before disconnecting.

Instructions

Fuel Feed Pressure After The Filter:

1. Assemble the 7849 kit as shown in Figure 2.

FIG:2



2. Repeat previous tests. There should be no significant difference between first and second reading.

Safety Warnings

- Always carefully clean the tool components after each use.
- Keep the tool components safe and tidy in the supplied case.
- Do not use the kit for any purpose other than for which it is designed.



Safety First. Be Protected.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



7849_Instructions_V3



When you have finished with
this bottle please recycle it

www.lasertools.co.uk



Distributed by The Tool Connection Ltd

Kington Road, Southam, Warwickshire CV47 0DR
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk

Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: +44 (0) 1926 818186. Normal wear and tear are excluded as are consumable items and abuse.

www.lasertools.co.uk