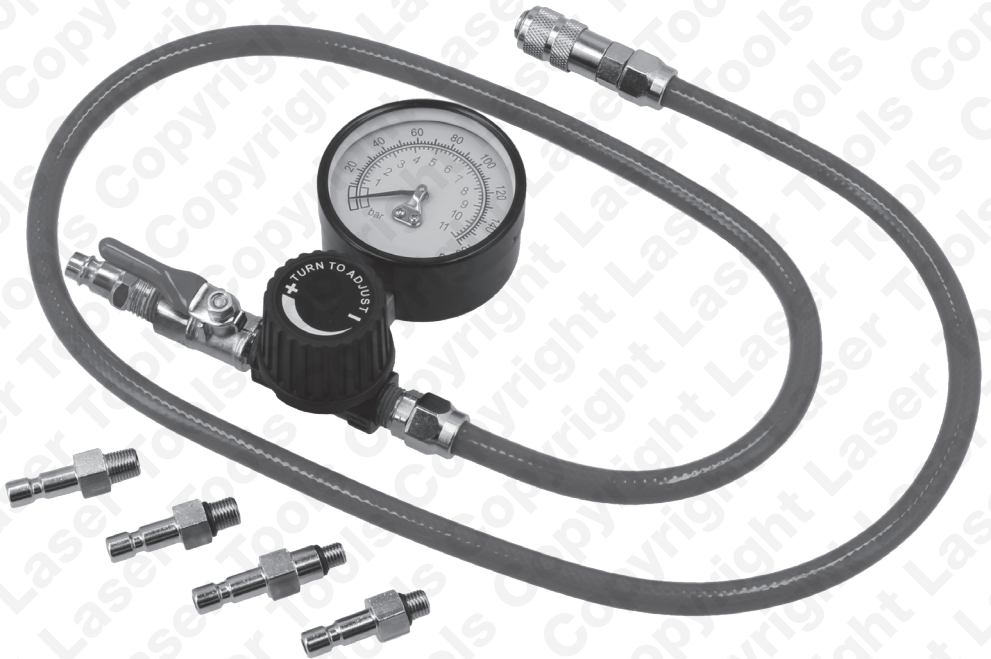


Part No. 8976

# LASER<sup>®</sup>

## Air Suspension Strut Leak Tester Kit

Instructions



[www.lasertools.co.uk](http://www.lasertools.co.uk)

## Introduction

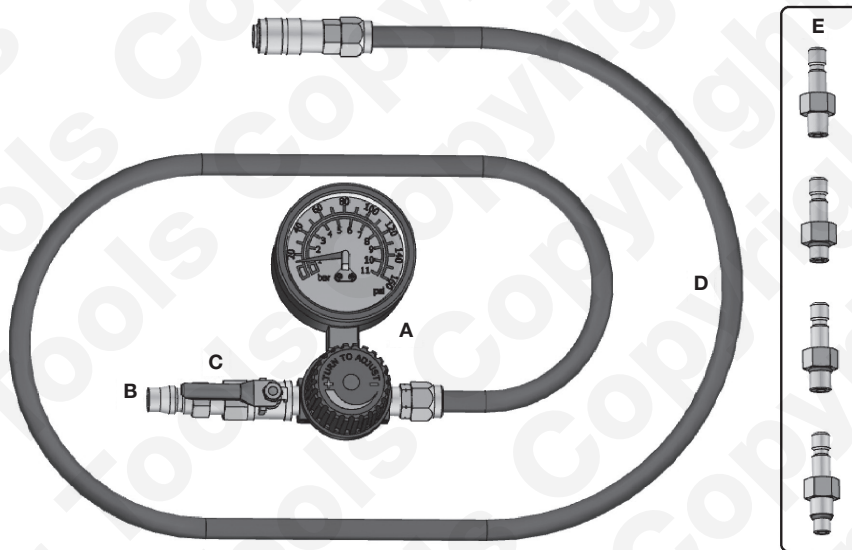
Designed for testing air suspension struts for leaks. Particularly useful when diagnosing leaking air suspension systems on Mercedes-Benz, Tesla & BMW vehicles. The Laser 8976 allows the strut or any pneumatic system to be pressurised from workshop air and then isolated using the built-in tap. Any pressure drop can then be monitored over time.

- Applications include: BMW, Mercedes-Benz, Audi, Porsche Cayenne, Land Rover vehicles fitted with air suspension struts.
- Adaptors included in kit: 1/8" NPT, M8 x 1.0mm, M9 x 1.0mm, M10 x 1.0mm.
- Works with workshop air: pressure range = 0 - 160psi (0 - 11Bar).
- Can be used on vehicle dependent on access to screw in strut connectors.

**NOTE:** prior to use always set adjustable regulator to zero.

The information given below is for reference only. Laser Tools recommends the use of Manufacturer data or Autodata. Laser Tools cannot be held responsible for damage to engine or personnel whilst using this tool kit.

## Components



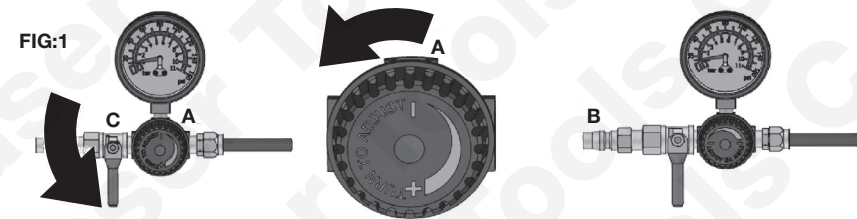
Ref.	Description
A	Gauge & Regulator Assembly
B	Main Airline Connection (workshop Air 160psi Max.)
C	Main Air Tap
D	Strut/System Feed Hose
E	Screw in Strut Connectors. 1/8" NPT, M8 x 1.0mm, M9 x 1.0mm, M10 x 1.0mm

## Instructions

- Always refer to manufacturer vehicle specific data and instructions.
- The 8976 tester can be used with the air strut in situ where the vehicle design permits access to the air feed connector.
- Never exceed OEM manufacturers maximum system operating pressure.

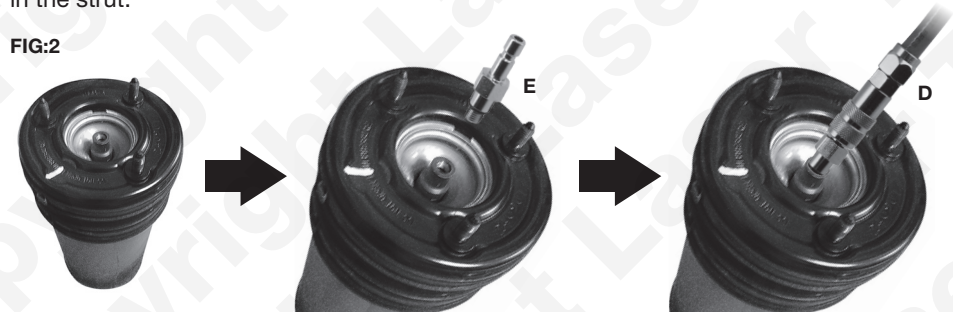


- Release the suspension system pressure in accordance with OEM instructions.
- Prepare the 8976 by first closing the air tap (C) and closing the regulator (A) as shown in figure 1.



- Connect the workshop air to the assembly at B and check there is no air passing through the tool.
- Open tap (C) and ensure the regulator is closed and no air passes through the tool.
- Close the tap (C).
- Locate and remove the suspension strut feed pipe.
- Unscrew the feed pipe connector from the strut.
- Screw in the appropriate Screw in Strut Connector (E) (use PTFE tape to help seal the threads where required). See figure 2.
- Connect the 8976 pipe (D) to the strut and open the tap (C). Slowly turn the regulator (A) clockwise to open the regulator and start pressurising the strut.
- Watch the gauge and continue adding air until the manufacturers recommended pressure is reached and close the tap (C). If the air pressure drops on the gauge this indicates a leak in the strut.

FIG:2



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.



**Safety First. Be Protected.**

8976\_Instructions\_V2

### 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.

 **TOOL  
CONNECTION**  
The Complete Connection

Distributed by The Tool Connection Ltd

Kineton Road, Southam, Warwickshire CV47 0DR  
T +44 (0) 1926 815000 F +44 (0) 1926 815888  
info@toolconnection.co.uk [www.toolconnection.co.uk](http://www.toolconnection.co.uk)



5 018341 089764 >

**[www.lasertools.co.uk](http://www.lasertools.co.uk)**