



The Laser Radiator Pressure Tester is designed to make the testing of radiators on a wide range of motor vehicles a simple and straightforward operation. It is a universal kit, suitable for testing most makes of European and Japanese cars, and can be used for manual testing or automatic testing using compressed air.

# LASER®

Instructions

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We cannot consider a warranty claim for tool failure if you have used the tester in any way other than that described in these instructions, or if you have used it for any other purpose than that for which it is intended. Nor can we be held responsible in any way for personal injury caused while using the tester.



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**Guarantee**



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

# Radiator Pressure Tester

## Testing pressure in Radiators | Coolant systems

### Always wear eye protection when using the Laser Radiator Pressure Tester

- Use a cloth or gloves and arm protection when removing the radiator cap when the radiator is hot.
- Read these instructions through carefully before you use the Radiator Pressure Tester, paying particular attention to the instructions in bold type.
- If you do not use the tester correctly, as described in these instructions, you may damage either the tester or the radiator on which you are working. You may also injure yourself.

### Manual Pressure Testing

#### IMPORTANT

For specific detailed instructions on using this tester correctly, please refer to the vehicle manufacturer's workshop manual or the appropriate Haynes manual.

- 1 First, carefully loosen and remove the radiator cap. If the radiator is hot, use either a cloth or gloves and arm protection to avoid scalding yourself.
  - 2 Select the correct adapter for the vehicle you are testing or, if none of the adapters is the correct fit, choose an appropriate configuration of stationary seal and adjuster to suit the vehicle.
  - 3 Make sure the adapter or adjustable seal is securely fitted to the radiator filler or expansion tank.
- NOTE** If you are using a stationary seal configuration, you will need to use item 12 – Radiator converter cap – when working on European vehicles.
- 4 Next, attach the push-fit connector on the manual pressure tester (Item 1) to the inlet of the adapter or adjustable seal fitted to the radiator.
  - 5 Now push the hand pump and check the reading on the gauge. Ideally, this should be between 12 – 15 PSI, but check the correct figure in the manufacturer's or Haynes workshop manual. A pressure reading below the 12 – 15 PSI range indicates that there is a leak either in the radiator or in the hose.
  - 6 When you have completed the test, press the quick release valve on the push-fit connector to release the air pressure.
  - 7 Finally, disconnect the push-fit connector by sliding the sleeve away from the adapter assembly, remove the adapter assembly from the radiator.
  - 8 Replace the radiator filler cap securely.

### Automatic Pressure Testing

Proceed as far as manual tests to step 4

- 4 Next, attach the push-fit connector on the automatic inlet-air pressure tester (Item 1a) to the inlet of the adapter or adjustable seal fitted to the radiator. Then attach a compressed air line hose to the nylon connector on the automatic inlet-air pressure tester

- 5 Now slowly open the air inlet control to allow compressed air to flow into the tester, and check the reading indicated on the gauge. Standard readings should be between 12 and 15 PSI. A pressure reading below the 12 – 15 PSI range indicates that there is a leak either in the radiator or in the hose. After completion, disconnect as steps 6 | 7 | 8.

### Contents

- 1 Pressure tester
- 1a Automatic inlet-air pressure tester
- 2 New Audi A4 | A5 | A6 adapter
- 3 Adapter for Opel | Volkswagen | Ford and similar vehicles
- 4 Adapter for BMW & similar vehicles
- 5 Adapter for BMW and similar vehicles
- 6 Adapter for Citroen | Fiat | Peugeot | Renault Volvo and similar vehicles
- 7 Adapter for Audi | Volkswagen & similar vehicles
- 8 Adjustable stationary seal housing
- 9 50mm/m universal adjustable stationary seal (use with items 8 and 12 as necessary)
- 10 35mm/m universal adjustable stationary seal (use with items 8 and 12 as necessary)
- 11 27mm/m universal adjustable stationary seal (use with items 8 and 12 as necessary)
- 12 Radiator converter cap (use with items 8 | 9 | 10 or 11 as necessary)
- 13 Radiator test cap (suitable for use with upper radiator cap)
- 40 Adapter for Ford and similar vehicles
- 41 Adapter for Honda | Toyota and similar vehicles
- 42 Adapter for Ford and similar vehicles
- 43 Adapter for Mitsubishi | Ford | Nissan | Mazda and similar vehicles
- 60 Adapter for Mercedes Benz and similar vehicles



Check your Radiator Pressure Tester carefully to make sure you have all the components.