

DRAPER[®]

INSTRUCTIONS FOR
**33 Piece Radiator
& Cap Pressure Test Kit**

Stock No.23420

Part No.RPT33

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



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DRAPER[®]

GENERAL INFORMATION

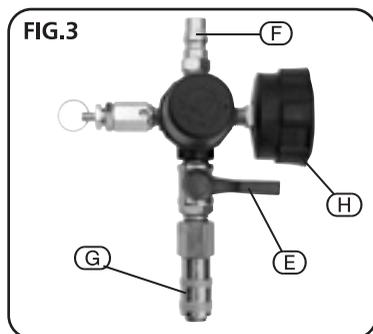
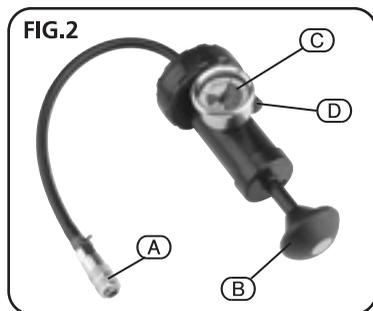
These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product. Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. MANUAL PRESSURE TESTING INSTRUCTIONS

1. **IMPORTANT:** For detailed and concise instructions on the correct use of this kit, refer to the vehicle manufacturer's or Haynes workshop manual.
2. **WARNING:** Do not over pressurize the system, as excessive pressure may cause failure of the radiator, hoses etc.
3. Carefully undo and remove the radiator or expansion tank pressure cap (use a cloth or gloves and arm protection if the radiator cap is known to be hot).
4. Select the correct adaptor and configuration of the stationary seat accessories and ensure it is securely fitted to the filler neck of the radiator or expansion tank (Fig.1).
5. Attach the 'push-fit' connector (A) onto the male tailpiece of the adaptor fitted to the radiator.
6. Depress the hand pump handle (B) and check the reading indicated on the pressure gauge (C). Ideal readings should range between 12-15PSI (always check relevant manufacturer's or Haynes workshop manual), if the pressure level is below this range or the pressure drops during testing, a leak in the coolant system (radiator, hose, etc.) is the most likely source of the problem.
7. Once the test is complete, release the air pressure by depressing the quick release valve (D). Disconnect the 'push-fit' connector (A) and adaptor assembly and replace the radiator filler cap securely.



USING KIT WITH COMPRESSED AIR LINE:

- **WARNING:** Input air pressure must be set to below 25psi on compressed air line BEFORE connecting to cooling system. Failure to do so will cause damage to the system and danger to the user.
- Proceed as in steps 1-4 above.
- Ensure air tap (E) is in closed position (see Fig.3).
- Connect compressed air line to air inlet (F).
- Connect to adaptor using quick-coupling (G).
- Slowly open air tap (E) until air pressure gauge (H) shows the required test pressure (always check relevant manufacturer's or Haynes workshop manual).
- Once the test is complete, completely close air tap (E), disconnect compressed air line (F) then carefully re-open air tap (E) to release stored pressure and remove from cooling system. Finally, replace the radiator cap securely.

TO TEST PRESSURE CAP: Connect cap to adaptor and pressurise with pump as required to ascertain release pressure.

2. ADAPTORS AND ACCESSORIES

<p>Adaptor 1 Mercedes Benz, for 60mm external cap thread.</p> 	<p>Adaptor 2 Audi (new A4, A5, A6) for 62mm internal threaded cap.</p> 	<p>Adaptor 3 Vauxhall/Opel, Ford universal for 48mm external cap thread.</p> 	<p>Adaptor 4 BMW for 57mm internal cap thread.</p> 	<p>Adaptor 5 BMW for 49mm external cap thread.</p> 	<p>Configuration of universal adjustable seats for European cars.</p> 
<p>Adaptor 6 Volvo, Citroën, Fiat, Renault, Peugeot universal for 45mm external cap thread.</p> 	<p>Adaptor 7 Audi/VW universal for 43mm external cap thread.</p> 	<p>Adaptor 8 Universal adjustable sprung adaptor seat.</p> 	<p>Adaptor 9 Adaptor pin for item 8 with 50mm diameter base for main Japanese & European vehicles.</p> 	<p>Adaptor 10 Adaptor pin for item 8 with 35mm diameter base for main Japanese & European vehicles.</p> 	
<p>Adaptor 11 Adaptor pin for item 8 with 27mm diameter base for main Japanese & European vehicles.</p> 	<p>Adaptor 12 Universal cap adaptor.</p> 	<p>Adaptor 13 Universal cap adaptor.</p> 	<p>Adaptor 14 U-piece stainless steel cap clamp.</p> 	<p>Adaptor 15 Honda/Toyota sprung clamp cap - 42mm.</p> 	<p>Configuration of universal adjustable seats for Japanese cars.</p> 
<p>Adaptor 16 Mitsubishi/Ford/ Nissan/Mazda sprung clamp cap - 44mm.</p> 	<p>Adaptor 17 Ford - for use with items 9, 10, 11 - 52mm external cap thread.</p> 	<p>Adaptor 18 Ford - for use with items 9, 10, 11 - 56mm for standard lug cap.</p> 	<p>Adaptor 19 Mercedes Benz for 50mm external cap thread.</p> 	<p>Adaptor 20 Ford - for 49mm external cap thread.</p> 	
<p>Adaptor 21 Adaptor for Ford (after 2010) pressure caps.</p> 	<p>Adaptor 22 Adaptor for Toyota and Honda pressure caps.</p> 	<p>Adaptor 23 Adaptor for Mitsubishi, Ford, Nissan and Mazda pressure caps.</p> 	<p>Adaptor 24 Adaptor for Nippon and Hino pressure caps.</p> 	<p>Adaptor 25 Adaptor for Renault, Audi and VW pressure caps.</p> 	
<p>Adaptor 26 Adaptor for Volvo, Citroën, Renault, Fiat and Peugeot pressure caps.</p> 	<p>Adaptor 27 Adaptor for Opel, VW and Ford pressure caps.</p> 	<p>Adaptor 28 Adaptor for Volvo and Renault pressure caps.</p> 	<p>Adaptor 29 Adaptor for BMW pressure caps.</p> 	<p>Adaptor 30 Adaptor for Mercedes pressure caps.</p> 	

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