

# 31407500

## Petrol Engine Compression Tester - Quick-Release Kit



### Instructions:

#### Fig. 1 (See reverse)

- Ensure battery and starter motor are serviceable
- Ensure the engine oil is up to the recommended level
- If possible, run engine to normal operating temperature
- Remove all the spark plugs

#### Fig. 2 (See reverse)

- Switch off ignition and isolate fuel and ignition system
- Isolate fuel and the ignition system

#### Fig. 3 (See reverse)

- Select the correct adaptor by checking the correct thread length (i.e. D1 is no more than D) and the diameter is the same
- Insert the correct adaptor into the quick release on the end of the hose, by pulling back the blue sleeve
- Ensure the adaptor is locked in place with the sleeve fully retracted downwards

#### Fig. 4 (See reverse)

- Fit the compression tester to the first cylinder where it can be seen whilst cranking

#### Fig. 5 (See reverse)

- Crank the engine for at least eight revolutions with the throttle wide open. Record the maximum reading on the gauge
- Release the gauge pressure (press the button on the relief valve) and repeat on the remaining cylinders and record the results for comparison

### NOTE

Take all cylinder measurements at the same cranking speed and duration  
For vehicles equipped with catalytic converters disable the fuel system  
Cylinder contamination by coolant/fuel/oil can result in an excessive pressure build up  
If an unusually high reading is observed the test should be stopped immediately to avoid damage to the gauge

### RESULTS

A good cylinder compression will be indicated with a high initial reading and a progressive build up to the final value  
A poor cylinder will have a low first reading and a much slower build up to the final value  
Compression pressures should not vary by more than 10%

### Optional Extra

**31405400**  
Ford Zetec Engine  
M14 Adaptor



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