

COMPRESSION & FUEL PRESSURE TESTING TOOLS

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KEY



DO NOT USE AIR TOOLS



FOR USE WITH PETROL ENGINES



FOR USE WITH DIESEL ENGINES

BELT

FOR USE WITH BELT DRIVEN ENGINES

CHAIN

FOR USE WITH CHAIN DRIVEN ENGINES

Petrol Engine Compression Tester

31400000

- Checks cylinder compression to assist in the diagnosis of faulty valves, piston rings, cylinder heads & gaskets
- 300mm flexible rubber hose with large, shock protected, easy to read dual scale gauge, for quick and accurate checks
- Pressure relief valve allows repeated cylinder tests, without removing the gauge
- Dual threads (M14 & M18) for quick and easy connection to spark plug ports

Specification:

- M14 / M18 dual thread coupling
- Gauge Scale: 0 - 20bar, 0 - 190psi
- Gauge Diameter: 83mm
- Gauge to DIN16005, DIN16063, BS1780 standards



Optional Extra - Petrol Engine Compression Tester - Extra Long Hose
31402000

- Fitted with extra-long 460mm flexible rubber hose for easy access to restricted plug ports



Spare Parts:

- 31400500 - Service Kit for Compression Tester

Petrol Engine Compression Tester Kit

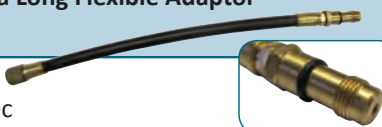
31400300

- Comprehensive kit, based on 31400000 Petrol Compression Tester - above
- Suitable for vehicles with M10, M12, M14 and M18 Spark plug threads
- **Contents:**
 - Petrol Compression Tester Gauge
 - Thread Chasers: M10 / M12 & M14 / M18
 - Spark Plug Port Extensions: M10, M12, M14 (x2), M18
 - Service Kit of non-return valves and o-rings
- Supplied in plastic case with foam insert



Optional Extra - Extra Long Flexible Adaptor
31400900

- M14 x 158mm for Ford Zetec / Duratec



Optional Extra - Extra Long Flexible Adaptor
31401100

- M12 x 380mm for Renault



Spare Parts:

- 31400500 - Service Kit for Compression Tester
- 31400270 - Short Extension - M14 x 1.25 x 63mm
- 31400470 - Deep Extension - M14 x 1.25 x 94mm
- 31400770 - M18 Extension - M18 x 1.5 x 57mm
- 31401070 - M10 Extension - M10 x 1.0 x 57mm
- 31401270 - M12 Extension - M12 x 1.25 x 57mm
- 01410070V2 - Thread Chaser - M14 / M18
- 66061270 - Thread Chaser - M10 / M12

Petrol Engine Compression Tester - Quick-Release Kit

31405000

- Specially designed for deep seated spark plug ports with long narrow threads, as found on many modern petrol engines
- Positive lock - quick release connector, ensures adaptors cannot accidentally be left in the spark plug port (which would then become extremely difficult to remove with deep seated plug ports)
- Specially designed self-centering adaptors ensure minimal risk of cross threading when attempting to screw the compression adaptor in to the spark plug port. Without this feature, it would be very difficult to successfully fit an adaptor into a deep seated plug port
- Supplied in plastic case with foam insert

Specification:

- Gauge Scale: 0 - 20bar, 0 - 190psi
- Gauge Diameter: 83mm
- Gauge to DIN16005, DIN16063, BS1780 standards



Spare Parts:

- 31405170 - 10mm Universal QR Adaptor
- 31405270 - 12mm Universal QR Adaptor
- 31405370 - 14mm Universal QR Adaptor
- 31405470 - 14mm Ford Duratec QR Adaptor
- 31405070 - 20 bar Pressure Gauge Assembly with 500mm braided high pressure hose & QR connector

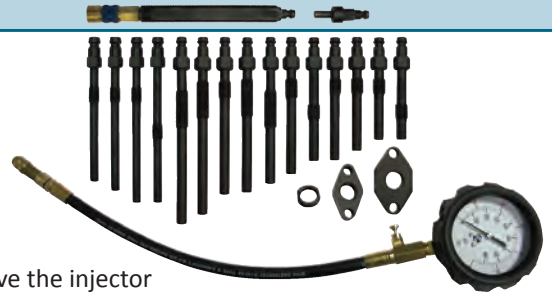


Scan the QR code to watch a video of the Petrol Engine Compression Tester

Diesel Engine Compression Test Kit - Common Rail Diesel (CRD)

31427500

- Comprehensive test kit specifically designed to cover a wide range of modern CRD diesel injected engines
- Checks engine compression under cranking conditions
- Enables cylinder access through dummy injector and glow plug adaptors
- Built-in pressure relief valve enables repeat tests without dismantling
- **Contents:** (Supplied in plastic case with foam insert)
 - Gauge & Hose Assembly - 15 x Dummy Glow Plugs for CRD engines
 - CRD Dummy Injector and Clamps for applications where it is easier to remove the injector
 - Supplied with vehicle applications list



Refer to Page 89 for kit contents / spares and applications or visit www.sykes-pickavant.com for a comprehensive range of diesel compression applications available

Spare Parts:

- 31400500 - Service Kit for compression gauge
- 31420100 - Gauge & Hose Assembly
- 01421500 - Seals and Washers for dummy injectors
- 31433670 - Lock Nut
- 31427870 - Injector End

Diesel Engine Compression Test Kit - Standard Car Kit

314200V2

- Comprehensive test kit for both direct and indirect diesel injected engines
- Checks engine compression under cranking conditions
- Enables cylinder access through dummy injector and glow plug adaptors
- Built-in pressure relief valve enables repeat tests without dismantling
- **Specification:**
 - 560mm Rubber Hose
 - Gauge Scale: 0-60bar, 0-860psi
 - Gauge Diameter: 83mm
 - Gauge to DIN 16005, DIN 16063, BS 1780 standards
- **Contents:** (Supplied in plastic case with foam insert)
 - Gauge & Hose Assembly
 - 9 x Dummy Glowplugs
 - Elbow Connector
 - 2 x Dummy Injectors
 - Supplied with vehicle applications list



Refer to Page 89 for kit contents / spares and applications or visit www.sykes-pickavant.com for a comprehensive range of diesel compression applications available

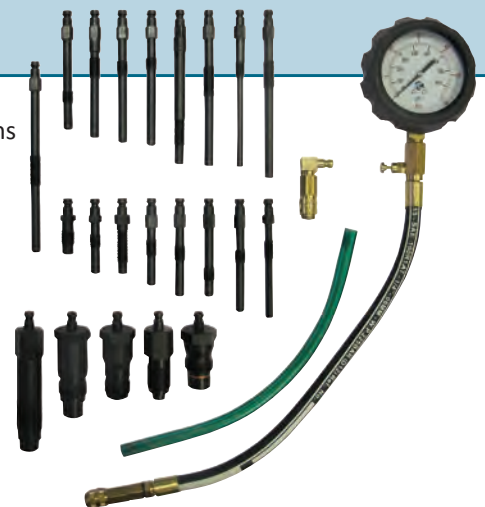
Spare Parts:

- 31400500 - Service Kit for compression gauge
- 31420100 - Gauge & Hose Assembly
- 01421500 - Seals and Washers for dummy injectors
- 31473070 - Elbow Connector

Diesel Engine Compression Test Kit - Premier Car Kit

314295V2

- For both direct and indirect diesel injected engines, containing a wide variety of popular dummy glow plug and injector applications. Includes additional applications (compared with Standard car kit) for Mercedes, VW / Audi, Land Rover and PSA
- Checks engine compression under cranking conditions
- Enables cylinder access through dummy injector and glow plug adaptors
- Built-in pressure relief valve enables repeat tests without dismantling
- **Specification:**
 - 560mm Rubber Hose
 - Gauge Scale: 0-60bar, 0 - 860psi
 - Gauge Diameter: 83mm
 - Gauge to DIN 16005, DIN 16063, BS 1780 standards
- **Contents:** (Supplied in plastic case with foam insert)
 - Gauge & Hose Assembly
 - 17 x Dummy Glowplugs
 - Elbow Connector
 - 5 x Dummy Injectors
 - Full Vehicle Applications and Spare Parts information provided



Refer to Page 89 for kit contents / spares and applications or visit www.sykes-pickavant.com for a comprehensive range of diesel compression applications available

Spare Parts:

- 31400500 - Service Kit for compression gauge
- 31420100 - Gauge & Hose Assembly
- 01421500 - Seals and Washers for dummy injectors
- 31473070 - Elbow Connector

Diesel Compression Adaptor Sets

- A new range of short sets of adaptors for Diesel Compression Testing to complement existing kits
- Suitable for all previous models of SP Diesel Compression Testers
- Each set contains the appropriate adaptors for a particular engine series, which often cover more than one manufacturer
- Applications for the full range of adaptor sets are provided with each short set

GM Opel / Mercedes

314288SP / 314288V2*

Applications:

- Mercedes CDI 2.0, 2.1, 2.2, 2.7, 3.0, 3.2, 3.9, 4.0 (M8 & M10)
- Opel / GM 1.7DI, DTI, CDTI, 2.0 / 2.2DT, DTI, DDTI
- Also fits VW Group Common Rail 1.6, 2.0, 2.7, 3.0TDI



Spare Parts:

- 31422370 - M8 x 1.00mm Glow Plug
- 3142687V2 - M10 x 1.00mm Glow Plug
- 31426970V2 - M10 x 1.25mm Glow Plug
- 31421970 - Glow Plug Extension Rod

Toyota

314289SP / 314289V2*

Applications:

- IND-TV 1.4D
Fitted to Auris, IQ, Corolla, Urban Cruiser, Yaris
- Mini One W17D141.4D, 1CD-FTV 2.0D-4D, 1AD-FTV 2.0D-4D, 2AD-FH / TV 2.2D-4D, IS2/200D Fitted to Toyota and Lexus



Spare Parts:

- 31420970 - M10 x 1.25mm Glow Plug
- 31427170V2 - M10 x 1.25mm Glow Plug
- 31421970 - Glow Plug Extension Rod

PSA

314291SP / 314291V2*

Applications:

- Citroën 1.4, 1.6, 2.0, 2.2, 2.7HDI
- Fiat Scudo Ulysse 2.0JTD, 2.2JTD, 2.2JTDM
- Ford 1.4, 1.6, 2.0, 2.2TDCI
- Jaguar / Land Rover 2.2, 2.7TD
- Peugeot 1.4, 1.6, 2.0, 2.2, 2.7HDI
- Volvo 1.6, 2.0, 2.4D



Spare Parts:

- 31423170 - M8 x 1.00mm Glow Plug
- 31425270V2 - M10 x 1.00mm Glow Plug
- 31427770V2 - M8 x 1.00mm Glow Plug
- 31428570 - M8 x 1.00mm Glow Plug
- 31421970 - Glow Plug Extension Rod

Fiat

314292SP / 314292V2*

Applications:

- Alfa Romeo 1.3JTDM 16V, 1.6JTDM 16V, 1.9JTD 8V, 1.9 JTDM 8V, 1.9JTD/M 16V, 2.0JTDM, 2.4JTD 10V, 2.4JTD/M 20V
- Fiat 1.3MJTD 16V, 1.6JTD, 1.9 JTD/M/DM, 2.0JTDM, 2.3DJTDM, 2.4JTDM, 3.0JTD
- Saab 1.9D, TID1.9D, TTID
- Vauxhall 1.3DTI, 1.3CDTI, 1.9CDTI, 2.0D CDTI



Spare Parts:

- 31421670 - M9 x 1.00mm Glow Plug
- 31421870 - M8 x 1.00mm Glow Plug
- 31423170 - M8 x 1.00mm Glow Plug
- 31425970V2 - M10 x 1.00mm Glow Plug
- 31421970 - Glow Plug Extension Rod

Renault

314293SP / 314293V2*

Applications:

- K9K 1.5DCI, F9Q 1.9DCI, D4192T 1.9D
Fitted on Dacia, Nissan, Suzuki, Volvo
- M9R 2.0DCI, M9T 2.3CDTI
Fitted on Nissan, Opel / GM, Renault
- G9T 2.2DCI, Y22DDT 2.2DCI, G9U 2.5DCI, Y25DDTI 2.5DCI
Fitted on Nissan, Opel / GM, Renault



Spare Parts:

- 31421770 - M10 x 1.00mm Glow Plug
- 3142677V2 - M10 x 1.00mm Glow Plug
- 31427470V2 - M10 x 1.00mm Glow Plug (Nissan 1.5DCI)
- 31421970 - Glow Plug Extension Rod

Ford

314294V2

Applications:

- Glowplug:
Ford 1.8DT, TDCI, TDDI, 2.0 16V TDCI, 2.0, 2.2, 2.4, 3.2 DDDI
- Dummy Injector:
2.0, 2.2, 2.4 Duratorq Diesel Injector



Spare Parts:

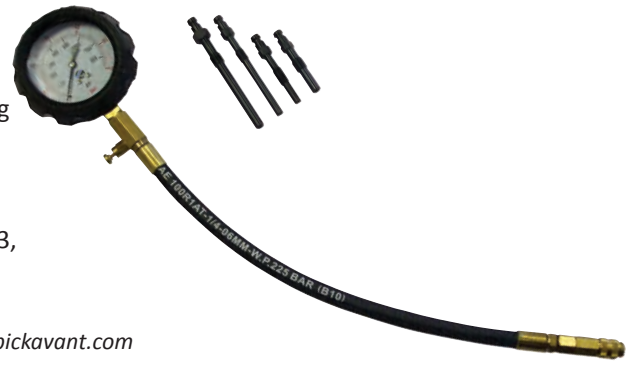
- 31424970 - M10 x 1.00mm Glow Plug
- 31425470V2 - M10 x 1.00mm Glow Plug
- 31428170 - M22 x 1.5mm Dummy Injector

*V2 versions exclude 31421970 - Glow Plug Extension Rod

Diesel Engine Compression Test Kit - Land Rover

31428500

- Comprehensive test kit for Land Rover diesel injected engines
- Checks engine compression under cranking conditions
- Enables cylinder access through dummy glow plug adaptors
- Built-in pressure relief valve enables repeat tests without dismantling
- **Contents:** (Supplied in cardboard carton)
 - 0-60 bar pressure gauge and 4 x Glow Plug adaptors
- Applications include:
 - Defender MK3, Discovery 3 & 4, Range Rover Sport & Range Rover 3, Freelander 1 & 2, Evoque
- Other adaptors for older Land Rovers are also available on request



Refer to Page 89 for kit contents / spares and applications or visit www.sykes-pickavant.com for a comprehensive range of diesel compression applications available

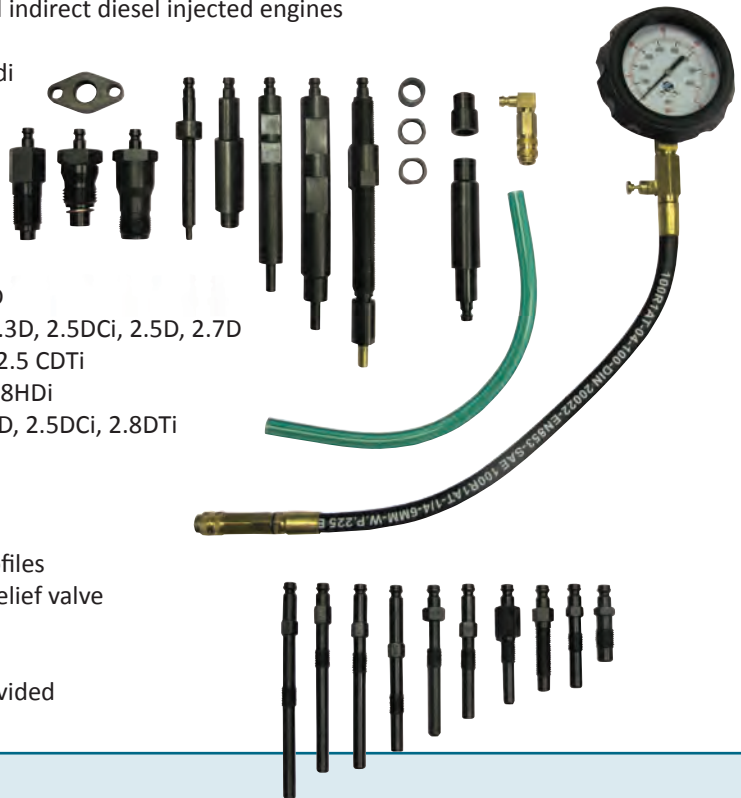
Spare Parts:

- 31400500 - Service Kit for compression gauge

Diesel Engine Compression Test Kit - LCV

31428000

- A specialist kit for the LCV (van) market for both direct and indirect diesel injected engines
- Designed to work with modern LCV's (vans) such as:
 - **Citroën:** Jumper / Relay 1.9D, 2.0 Hdi, 2.2Hdi, 2.5D, 2.8Hdi
 - **Fiat:** Ducato – 1.9D, 2.0JTD, 2.3JTD, 2.5D, 2.8D, 2.8JTD
 - **Ford:** Transit & Connect – 1.8D, 1.8TDCi, 1.8 TDDi, 2.0Di, 2.0TDCi, 2.2TDCi, 2.4D, 2.4TDCi, 2.5D
 - **Iveco:** Daily / Turbo Daily – 2.3D, 2.5D, 2.8D, 3.0D
 - **LDV:** Pilot / Convoy / Maxus – 1.9D, 2.3D, 2.4DTD, 2.4TDi, 2.5D, 2.5CRD
 - **Mercedes:** Sprinter / Vito – 2.2D, 2.2CDi, 2.3D, 2.7D, 2.9D
 - **Nissan:** Interstar / Primastar / Cabstar – 1.9DCi, 2.2DCi, 2.3D, 2.5DCi, 2.5D, 2.7D
 - **Opel:** Movano / Vivaro – 1.9DTi, 1.9CDTi, 2.2DTi, 2.5DTi, 2.5 CDTi
 - **Peugeot:** Expert / Boxer / Boxer 2 – 1.9D, 2.0Hdi, 2.5D, 2.8Hdi
 - **Renault:** Traffic / Master – 1.9D, 1.9DCi, 2.1D, 2.2DCi, 2.5D, 2.5DCi, 2.8DTi
 - **Toyota:** Hi-Lux / Hi-Ace – 2.5D, 2.5D4D
 - **VW:** Transporter / LT – 1.9D, 2.4D, 2.5SDi, 2.5TDi, 2.8D



Features:

- Selection of 10 x Dummy Glowplugs and 11 x Injector Profiles
- Dual Scale 80mm Pressure Gauge with built-in pressure relief valve
- Flexible rubber hose (355mm) for ease of access
- Suitable for both direct and indirect injection engines
- Full Vehicle Applications and Spare Parts information provided
- Supplied in plastic case with foam insert

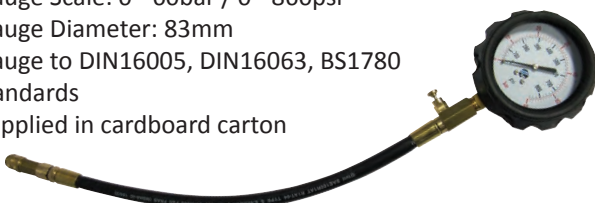
Spare Parts:

- 31400500 - Service Kit for compression gauge
- 01421500 - Seals and Washers for dummy injectors

Pressure Gauge & Hose Assembly - Diesel Compression

31420100

- 560mm Rubber Hose
- Gauge Scale: 0 - 60bar / 0 - 860psi
- Gauge Diameter: 83mm
- Gauge to DIN16005, DIN16063, BS1780 standards
- Supplied in cardboard carton



Flexible Glow Plug Hose Extension

31420300

- For inserting and removing dummy glow plugs in difficult to access areas



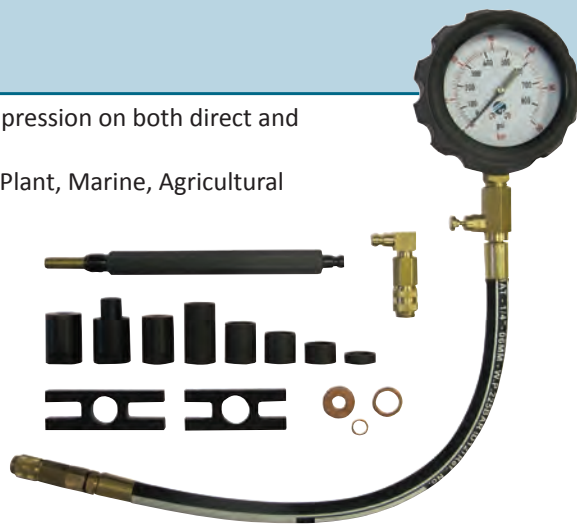
Diesel Engine Compression Test Kit - CV

31430000

- A starter kit of adaptors and clamping plates for checking compression on both direct and indirect Commercial Diesel Injected Engines
- Suitable for all types of heavy duty diesel engines - Industrial, Plant, Marine, Agricultural

Specification:

- Hose Assembly Length: 560mm
- Gauge Scale Range: 0 - 60 bar, 0 - 860 psi
- Gauge Diameter: 83mm
- Gauge to DIN16005, DIN16063, BS1780 standards
- **Contents:** (Supplied in plastic case with foam insert)
 - Diesel Compression Gauge
 - End Adaptors x 3 - Spacers x 5
 - Clamp Plates x 2 - Centre Pillar
 - Elbow Connector



Spare Parts:

- | | |
|--|---------------------------------------|
| • 31400500 - Service Kit for compression gauge | • 31420100 - Diesel compression gauge |
| • 01421500 - Seals and Washers for dummy injectors | • 31473070 - Elbow Connector |
| • 314300-01 - Clamp Plate & Pillar Set | • 314300-02 - End Adaptor Set |
| | • 314300-03 - Spacer Set |

Cylinder Leakage Tester - Petrol & Diesel

31380000

- An alternative to conventional compression testers, which provides a direct indication to the location of the leak by measuring the rate of loss of compression for individual cylinders
- Helps to diagnose worn and broken piston rings, burnt and leaking valves and faulty head gaskets
- Supplied with a wide variety of adaptors to fit the majority of petrol & diesel engines, on cars, LCV's, motorcycles, marine engines etc. Can be used with additional adaptors from the Sykes-Pickavant compression testing range - petrol or diesel

Specification:

- Air Input Pressure: 5bar (min) - 8bar (max)
- Pressure Gauge: 70mm diameter

Contents:

- Glowplug Adaptors x 5
- Spar Plug Port Extensions x 5
- Hose Assembly - 2mtrs
- Dummy Injectors x 4
- Test Unit c/w airline connections
- Test Report Pad Template

Spare Parts:

- | | |
|----------------------------------|--|
| • 31380170 - Test Unit | • 01421500 - Seals and Washers for dummy injectors |
| • 31380270 - Hose Assembly | • 313800-01 - Glow Plug Adaptor Set (5 Pack) |
| • 31381100 - Male QC Adaptor | • 313800-02 - Dummy Injector Set (4 Pack) |
| • 31380300 - Whistle Assembly | • 313800-03 - Port Extension Set (5 Pack) |
| • 01422200 - Clamp Plate - Small | |



Cylinder Leakage Tester

31380500

- As per kit above excluding adaptors
- Includes cylinder tester with hose
- Can be used in conjunction with current diesel compression adaptors as supplied in compression kits
- Supplied in plastic case with foam insert
- Spares as per above (31380000)



Diesel Compression Kit Contents Comparison Table - Reference by Part Number

Ref	Length mm	Thread	Make	Engine	Kit Contents									
					314200V2	31427500	31428500	314295V2	314288V2	314289V2	314291V2	314292V2	314293V2	314294V2
Dummy Glow Plugs														
31421670	135	M9 x 1.0	Alfa / Fiat / GM	1.6 / 1.9 / 2.0D		✓		✓				✓		
31425970V2	83	M10 x 1.0	Alfa / Fiat / GM	1.9	✓	✓		✓				✓		
31426670	126	M10 x 1.0	Audi	V6										
31424070	47	M12 x 1.25	Common	Old apps	✓			✓						
31423170	114	M8 x 1.0	Flat / GM	1.3JTD		✓					✓	✓		
31421870	127	M8 x 1.0	Fiat / Iveco	2.3 / 3.0 JTD								✓		
31424970	113	M10 x 1.0	Ford	2.0TDCI	✓	✓	✓	✓						✓
31425470V2	83	M10 x 1.0	Ford	1.8D	✓	✓		✓						✓
31428570	76	M8 x 1.0	Ford / Land Rover	2.2TD4			✓				✓			
31421570	102	M8 x 1.0	Ford / PSA	1.4 / 1.6HDI	✓			✓						
31426970V2	134	M10 x 1.25	GM	1.7TD		✓		✓	✓					
31427570	102	M8 x 1.0	GM / Fiat	1.3D / 1.3JTD										
31421370	137	M10 x 1.25	Honda	2.2 CTDI										
31427770V2	108	M8 x 1.0	Jaguar / PSA / Volvo	2.7D		✓	✓				✓			
31421470	71	M14 x 1.25	Land Rover	2.5D										
31423470	119	M10 x 1.0	Land Rover	200 / 300TDI				✓						
31422370	115	M8 x 1.0	Mercedes	New CDI		✓		✓						
3142687V2	113	M10 x 1.0	Mercedes	CDi		✓		✓	✓					
31420970	130	M10 x 1.25	Mini / Toyota	1.4D		✓				✓				
31424170	64	M10 x 1.25	Mitsubishi	Old apps				✓						
31423370	114	M10 x 1.25	Nissan	2.0D				✓						
3142677V2	162	M10 x 1.0	Nissan	2.2 / 2.5DCI		✓		✓					✓	
31421070	73	M10 x 1.25	Old Ford / VW Group	1.9PD	✓			✓						
31427670	172	Injector	Peugeot	2.2HDI										
31425270V2	93	M10 x 1.0	PSA	2.0HDI	✓	✓		✓			✓			
31422070	63	M10 x 1.0	PSA / Renault	1.9D / DW8	✓		✓	✓						
31421770	160	M10 x 1.0	Renault / Nissan	M9R		✓							✓	
31427470V2	102	M10 x 1.0	Renault / Nissan	1.5DCi	✓	✓		✓					✓	
31427170V2	145	M10 x 1.25	Toyota	2.0TD		✓		✓		✓				
Dummy Injectors														
31428870			Clamp			✓								
31473070			Elbow Connector		✓			✓						
31428170	154	M22 x 1.5	Ford TDCi	2.0 / 2.2 / 2.4										✓
31421970			Glow / Injector Ext			✓								
31428670			HDI Clamp											
31428770			HDI Clamp Piezo			✓								
31424270	152	N/A	Land Rover	2.5 / 3.0TDi										
31424470	104	N/A	Land Rover	2.5 CAV										
31423670	73	M22 x 1.5	Mercedes	2.0 / 2.3 / 2.5 / 2.9 / 3.0D				✓						
31423570	75	M20 x 1.5	Old Ford / Nissan	1.8 / 2.0 / 2.7	✓			✓						
31422570	64	M24 x 2.0	Older Common Type	1.9 / 2.0 / 2.5	✓			✓						
31423970	88	M24 x 1.5	Older Common Type	1.9 / 2.0 / 2.5				✓						
31422170	114	N/A	PSA / LTI Taxis	2.3 / 2.7DI										
31424570	118	M22 x 1.5	PSA / Rover	1.5				✓						
31423070	112	N/A	Stanadyne / Transit	2.5D										
31423870	174	N/A	VW / Audi	1.9TDi										

Catalyst Back Pressure / Vacuum Tester

31440000

- Measures the back pressure (or vacuum) via the Lambda Sensor socket, to indicate blocked or damaged catalytic converters
- A blockage usually indicates a blocked or broken catalytic converter
- Calibrated gauge scale indicates progressive pass / fail for tests at idle speed and for tests under load - coloured indication

• Specification:

- Gauge Scale: -1 to + 2 bar
- 2m heat resistant pipe for dynamic testing
- Suitable for M12 x 1.25 and M18 x 1.5 Lambda (Oxygen) Sensor sockets
- Fits most European, Asian, Japanese vehicles
- Gauge to DIN16005, DIN16063, BS1780 standards

• Contents: (Supplied in plastic case with foam insert)

- Pressure Gauge and Hose Assembly x 1
- Lambda Sensor Socket Connectors x 2 (M12, M18)
- Thread Cleaners x 2 (M12 x 1.25, M18 x 1.5)
- Special Adaptor for Toyota Vehicles x 1
- Service Kit of Seals and Washers x 1



Spare Parts:

- 01410570 - Lambda Sensor Thread Restorer
- 31440270 - Lambda Sensor Socket Connector - M12
- 31440470 - Special Adaptor for Toyota Vehicles
- 31440100 - Pressure Gauge & Hose Assembly
- 01410670 - M12 x 1.25 Lambda Thread Chaser
- 31440370 - Lambda Sensor Socket Connector - M18
- 31441500 - Service Kit of Seals & Washers

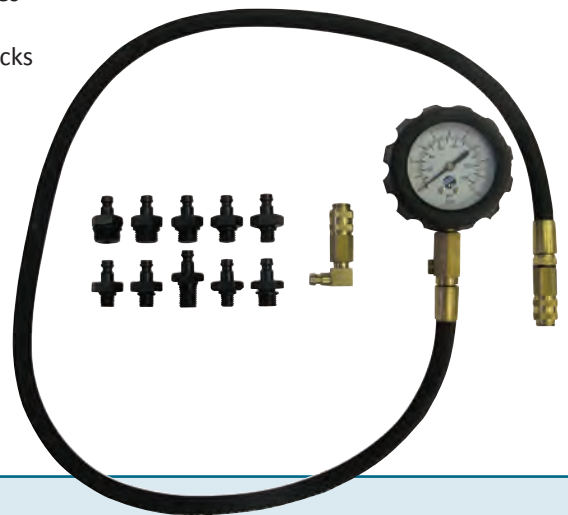
Oil Pressure Test Kit

31470000

- Helps to diagnose worn oil pumps and engines, faulty oil pressure switches and pressure warning indicators
- Shock protected dual scale gauge, for quick and accurate oil pressure checks
- Permanently oil primed, long flexible hose, enables access to difficult to reach oil switch ports
- Small profile, quick coupling adaptors with built-in shut-off valve for fast secure connection
- Includes oil pressure test gauge c/w 1m oil primed hose and 10 x oil switch port adaptors
- Supplied in plastic case with foam insert

Specification:

- 1m flexible oil primed hose
- Gauge Scale 0 - 10bar, 0 - 150psi
- Gauge Diameter: 80mm
- Gauge to DIN16005, DIN16063, BS1780 standards



Spare Parts:

- 31471170 - R1/8 DIN 2999 Adaptor
- 31471270 - 1/8 x 27 NPT Adaptor
- 31471370 - 1/4 x 18 NPT Adaptor
- 31471470 - 3/8 x 20 UNF Adaptor
- 31471570 - 1/2 x 20 UNF Adaptor
- 31471670 - M10 x 1.0 Adaptor
- 31471770 - M12 x 1.5 Adaptor
- 31471870 - M14 x 1.5 Adaptor
- 31471970 - M16 x 1.5 Adaptor
- 31472170 - M18 x 1.5 Adaptor
- 31473070 - 90° Elbow x 1
- 31470170 - Gauge Assembly

Flexible Oil Primed Hose & Test Gauge

31470200

- 2m Oil Primed Hose & Test Gauge
- Supplied in cardboard carton



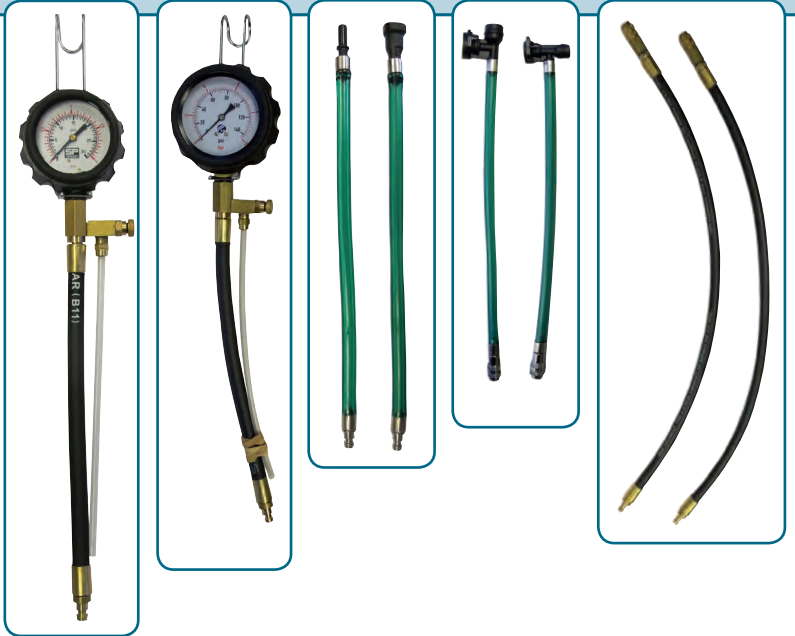
Combined Fuel Injection Pressure Test Kit for Multi-Point & Single-Point Systems (Petrol)

314860V2

- Covers a wide range of both mechanical and electronic multi-point and single point fuel injection systems, to assist in the diagnosis of common fuel injection problems
- Shock protected and fuel resistant dual scale gauge
- Relief valve for safe release of pressure
- Fits the self-test point on modern Ford & GM vehicles
- Quick coupling adaptors and hose connections, with built-in shut-off valves for fast and secure connections
- Convenient hook for suspending the gauge assembly under bonnet
- Supplied in plastic case with foam insert

Applications include:

- Check faulty regulators and fuel pumps
- Diagnose blocked filters and fuel feed lines
- Identify leaking injectors
- Determine blocked or faulty non-return valves
- Measure mechanical injection main system pressure
- Measure fuel pump delivery pressure
- Check residual pressure
- Measure regulated system pressure
- Measure mechanical injection control pressure



Spare Parts:

- 31487100 - Multi-Point Fuel Pressure Test Gauge Assembly (10bar / 145psi)
- 31487200 - Single Point Fuel Pressure Test Gauge Assembly (2bar / 30psi)
- 31487370 - T-Connector & Tap Assembly
- 31488000 - Specialist Adaptor - Ford EECIV Flexible Adaptor
- 31488500 - Specialist Adaptors (x2) - Universal M8 Quick-Connect
- 31489000 - Specialist Adaptors (x2) - Renault Plastic T-Connectors (10 / 12mm)
- 314802V2 - M8 Connector Set • 314803V2 - M10 Connector Set
- 314804V2 - M12 Connector Set • 314805V2 - M14 Connector Set
- 10006670 - 1/4" Hose Coupler Set
- 10006770 - 5/16" Hose Coupler Set
- 10006870 - 3/8" Hose Coupler Set
- 31487070 - GM Adaptor
- 31488070 - Ford Adaptor
- 10006570 - Honda M12 x 1.25 Adaptor
- 31486470 - Land Rover M6 Adaptor

Individual Adaptors

Included in standard MPI kits but also available separately as an add-on for older kits.

- 31488000 - Specialist Adaptor - Ford EECIV Flexible Adaptor - **Petrol Apps**
- 31488500 - Specialist Adaptors (x2) - Fiat / GM Quick-Connect - **Petrol & Diesel Apps**
- 31489000 - Specialist Adaptors (x2) - Renault Plastic T-Connectors (10 / 12mm) - **Petrol Apps**

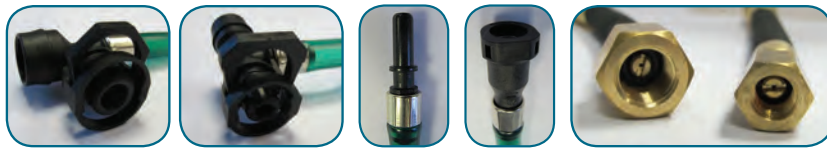


Fuel Injection Pressure Test Kit for Petrol Engine Vehicles

314875V2

- Universal Injection Pressure Test Kit for modern Electronic, Multi-point injection systems
- Shock protected, fuel resistant dual scale gauge – to 10bar / 145psi
- Relief valve for safe depressurisation
- Quick coupling adaptors and connectors
- Wide applications range:
 - S type, 8mm plastic push-in fittings, as used on Alfa, Audi, Citroën, Fiat, Ford, GM, Peugeot, VW etc
 - Schrader type valve test port adaptors (7/16 & 8mm) as used on Alfa, BMW, Chrysler, Ferrari, Fiat, Ford, GM, Mercedes, Mini, Volvo etc
 - Specialist Renault fittings for use on Renault 1.2 / 1.4 / 1.6 Petrol Engines - Clio, Twingo, Kangoo, Extra, Megane, Scenic etc
- Supplied in plastic case with foam insert

Optional fittings available to suit older vehicles



Spare Parts:

- 31487100 - Multi-Point Fuel Pressure Test Gauge Assembly (10bar / 145psi)
- 31481500 - Petrol Injection Hose Connector Set
- 31488500 - Quick Connector Set
- 31487370 - T-Connector & Tap Assembly
- 31486370 - Double-ended QR Hose Assembly
- 31481870 - 7/16 Schrader valve connector
- 31481970 - 8mm Schrader valve connector
- 31485770 - M8 right angled Schrader valve connector

Combined Petrol & Diesel Fuel Injection Test Kit

31468000

- A Universal Fuel Injection Pressure Test Kit for modern Electronic Multi-Point Injection systems – both Petrol & Diesel in one kit
- Shock protected, fuel resistant dual scale gauge to 10 bar / 145psi
- Relief valve for safe depressurisation
- Fuel tap and T-connector assembly
- Quick-coupling adaptors and connectors
- Vacuum gauge c/w hose and fittings
- Supplied in plastic case with foam insert

This kit combines the applications from both 314875V2 - Multi-Point Petrol engine kit and 31461000 - CRD Low Pressure Test Gauge Kit.

Optional fittings available to suit older vehicles



8 & 10mm male & female



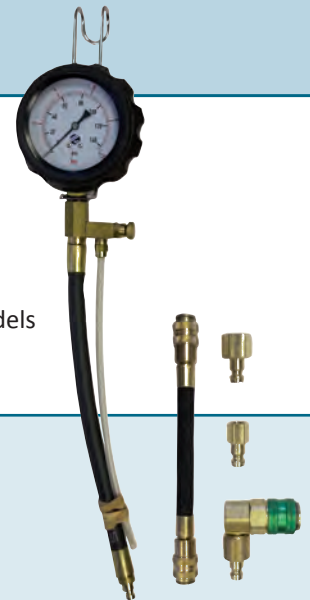
Spare Parts:

- 31487100 - Multi-Point Fuel Pressure Test Gauge Assembly (10bar / 145psi)
- 31461500 - Diesel Injection Hose Connector Set
- 31481500 - Petrol Injection Hose Connector Set
- 31488500 - Quick Connector Set
- 31487370 - T-Connector & Tap Assembly

Fuel Injection Pressure Test Kit for Schrader Test Ports

31489500

- Fuel Pressure test kit containing three Schrader Test Port adaptors and flexible hose for ease of access
- Schrader test ports are the preferred method of measuring fuel pressure on vehicles with fuel rails
- Quicker and easier than breaking into fuel lines
- Supplied in cardboard carton
- **Applications:**
 - 8mm Schrader valve connector - as fitted on some BMW, Ford, Mini, PSA, VW Group & Volvo models
 - 7/16 Schrader valve connector - as fitted on some Chrysler, Mercedes, Vauxhall and Opel models
 - M8 Quick release Schrader valve connector - as fitted to Alfa Romeo, Fiat and new Ford Ka



Spare Parts:

- 31487100 - Multi-Point Fuel Pressure Test Gauge Assembly (10bar / 145psi)
- 31486370 - Double-ended QR Hose Assembly
- 31481870 - 7/16 Schrader valve connector
- 31481970 - 8mm Schrader valve connector
- 31485770 - M8 right angled Schrader valve connector

Fuel Injection Schrader Valve Connector Kit

31485000

- Set of three Schrader valve connectors - can be used with any SP Fuel Injection Pressure Test Kit
- Schrader test ports are the preferred method of measuring fuel pressure on vehicles with fuel rails
- Quicker and easier than breaking into fuel lines
- Applications - As per 31489500 Test Kit - above
- Supplied in vinyl wallet



Fuel Injection Schrader Valve Connector Kit for Fiat Group - 31486500

- A new Schrader valve connector for the latest type of fuel rail - can be used with any SP Fuel Injection Pressure Test Kit
- Schrader test ports are the preferred method of measuring fuel pressure on vehicles with fuel rails
- Quicker and easier than breaking into fuel lines
- Applications:
 - M8 Quick release Schrader valve connector - as fitted to Alfa Romeo, Fiat and new Ford Ka
- Supplied in vinyl wallet



VW Group Fuel Pump Pressure Test Kit for PD (Diesel) & FSi (Petrol) Engines

314925V2

- A specially designed Fuel Pressure Tester for the PD & FSi ranges of engines as used by VW Group
- 20bar Pressure Gauge – as both PD and FSi fuel pumps operate at higher pressures than normal fuel pumps
- Extra long hose assembly for ease of access – 600mm
- Includes special PD fuel pump quick connector (Diesel) and 2 x special FSi fuel pump connectors for 1.6, 1.8, 2.0 FSi engines with Bosch fuel pumps

Spare Parts:

- 31490170 - 20bar Pressure Gauge c/w 600mm hose assembly
- 31481470 - M12 male adaptor for PD fuel pump
- 31481870 - FSi adaptor (female)
- 31487870 - FSi adaptor (male)
- 31484670 - M12 x 1.5 Banjo Bolt Assembly



VW Group Fuel Pump Pressure Test Set (PD)

31492000

- A specially designed Fuel Pressure Tester for the PD range of engines as used by VW Group
- 20bar Pressure Gauge – as PD fuel pumps operate at a higher pressure than normal fuel pumps
- Extra long hose assembly for ease of access – 600mm
- Includes special PD fuel pump quick connector

Spare Parts:

- 31490170 - 20bar Pressure Gauge c/w 600mm hose assembly
- 31481470 - M12 male adaptor for PD fuel pump



Common Rail Diesel (CRD) Low Pressure Test Gauge Kit

31461000

- Measures low pressure feed from the fuel pump to the high pressure pump
- Also measures fuel return pressure where necessary
- Helps to diagnose:
 - Poor / Non- starting
 - Loss of engine power
 - Blocked filters
 - Blocked fuel pipes
- **Contents:** (Supplied in plastic case with foam insert)
 - 10 bar / 145psi Low Pressure Gauge assembly c/w relief valve and leak-off pipe
 - 8mm & 10mm male and female connecting hoses (x6)
 - Universal connectors
 - Fuel Tap & T-Connector assembly with tap



8 & 10mm male & female



Scan the QR code to watch a video of the CRD Low Pressure Test Gauge Kit



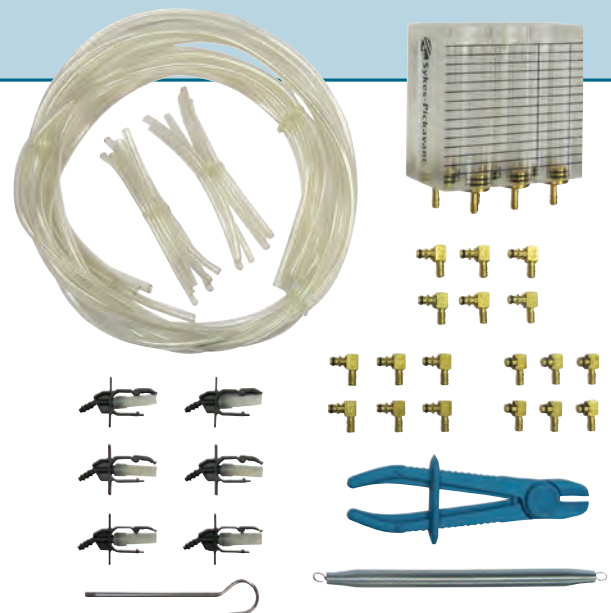
Spare Parts:

- 31487100 - Multi-Point Fuel Pressure Test Gauge Assembly (10bar/145psi)
- 31488500 - Specialist Adaptors (x2) - Fiat / GM Quick-Connect
- 31461500 - Diesel Injection Hose Connector Set
- 31487370 - T-Connector & Tap Assembly

Common Rail Diesel (CRD) Fuel Return Flow Kit

31462000

- Designed for use on the injector return side of a CRD system
- Helps to diagnose:
 - Poor or no engine starting
 - Poor engine running
 - Poor acceleration
 - General lack of engine power
- Compact acrylic block design provides easy to read cylinder comparison (much easier to compare than with plastic bottles, due to compact design and graduation scale)
- Fuel resistant, highly flexible rubber hoses
- Suitable for solenoid injectors only
- **Contents:** (Supplied in plastic case)
 - Graduated acrylic measuring block for up to 6 cylinders
 - Injector adaptor sets for: Bosch / Delphi / Denso / Siemens
 - Set of reduction pipes for small diameter flow back ports
 - Under bonnet hanging hook



Scan the QR code to watch a video of the CRD Fuel Return Flow Kit

Spare Parts:

- 31462170 - Bosch Replacement Adaptor Set (x6)
- 31462500 - Replacement Rubber Hose Set (x6)
- 31462270 - Siemens Replacement Adaptor Set (x6)
- 31462600 - Pipe Adaptor Set
- 31462370 - Denso Replacement Adaptor Set (x6)
- 31462470 - Delphi Replacement Adaptor Set (x6)

Common Rail Diesel (CRD) Low Pressure Combined Kit

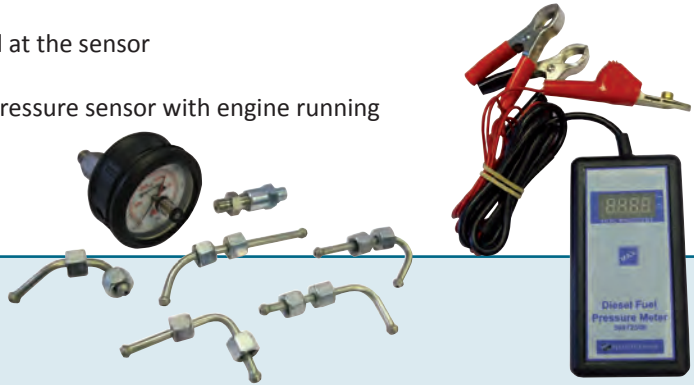
31460000

- A complete kit for low pressure testing on common rail diesel systems
- Consists of:
 - 31461000 - CRD Low Pressure Test Gauge Kit (above)
 - 31462000 - CRD Fuel Return Flow Kit (above)

Common Rail Diesel (CRD) High Pressure Test Kit

31465000

- Measures delivery pressure output from the CRD High Pressure pump (max 1700 bar) under engine cranking conditions
- High pressure test gauge allows direct connection to the high pressure pump providing cranking pressure measurement of the pump
- Electronic Sensor Tester tests the high pressure sensor signal at the sensor allowing comparison to code reader component data
- Measures common rail pressure via the vehicles electronic pressure sensor with engine running
- M12 x 1.5 / M14 x 1.5 connections
- Includes a selection of pipes and adaptors covering many applications
- Supplied in plastic case with foam insert



Spare Parts:

- OTC3674 - Electronic Sensor Tester
- 31465070 - High Pressure Manifold
- 31465870 - High Pressure Gauge to 1700 bar (25,000psi)

Common Rail Diesel (CRD) High Pressure Test Set

31466000

- As per 31465000 kit above excluding Electronic Sensor Tester - OTC3674

Contents:

- High Pressure Gauge to 1700 bar (25,000psi)
- High Pressure Manifold
- High Pressure System Connectors (x5)
- Supplied in plastic case with foam insert



Digital Diesel Fuel Pressure Meter

OTC3674

- Uses voltage to measure the high pressure from the common rail pressure sensor
- Converts signal to psi and bar
- Pressure Range: 0 - 1500 bar
- Works on 12v supply
- Ideal for making comparative pressure tests against ECU readings & actual rail pressure



N.B. Included in CRD High Pressure Test Kit - 31465000 above

Diesel Injector Tester & Aspirator (DITA)

31450000

- A mechanical pressure tester and aspirator for checking the correct operation of diesel injectors
- Tests nozzle opening pressure, injector spray pattern and correct needle seating
- Assists in the diagnosis of injector chatter and back leakage
- Suitable for testing all mechanical injectors with 12mm and 14mm screw fittings
- Bench mounted

Safety Features:

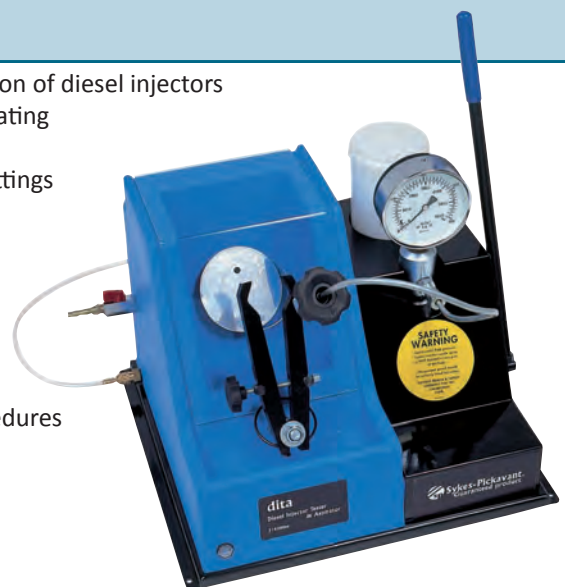
- Mechanically damped gauge - prevents over-pressurisation
- Built-in aspirator removes test fluid spray away from the operator
- Visual inspection of the injector spray pattern against the mirrored disc
- Safety viewing screen
- Universal clamp for holding injectors securely whilst carrying out test procedures
- Reservoir level indicator (Test fluid can be re-used)
- Complete with 12mm and 14mm quick-fit injector adaptors

Available Tests:

- Nozzle opening pressure
- Injector spray pattern
- Injector condition and chatter
- Injector back leakage & needle seating

Technical Specifications:

- Gauge Diameter: 107mm
- Gauge Scale: 600 bar / 8700psi
- Max Injector Diameter: 70mm
- Handle Length: 380mm
- Supplied with 12mm & 14mm quick-fit injector adaptors
- Dimensions: H: 330mm W: 450mm D: 410mm



Spare Parts:

- 31450500 - Injector Pipe Assembly

Mityvac Silverline Elite Automotive Kit MV8550



Scan the QR code to watch a video of the Mityvac Elite Automotive Kit



- Ideal for a wide variety of workshop tasks requiring vacuum and / or pressure featuring a dual convertor to switch from vacuum to pressure
- Ideal for a wide variety of diagnostic tests which require a pressure source
 - e.g. EVAP sensors, Cooling system leak tests etc
- Ideal for a wide variety of workshop tasks requiring vacuum and / or pressure
 - e.g. Diagnostics, brake bleeding, fluid transfer, evacuation, sampling etc
- **Contents:**
 - Silverline Die-Cast Aluminium Vacuum & Pressure Pump to 4bar (60psi) pressure
 - Large 480ml Fluid Reservoir with quick connection to pump
 - Selection of 12 vacuum caps
 - Diagnostic / Brake Bleeding Adaptor kit
 - Tubing and Tube Connectors

Spare Parts:

- | | | |
|---|---------------------------------------|---|
| • MV8550-01 - Vacuum/Pressure Manometer | • MV8550-05 - Vacuum Caps | • MV8550-09 - Vacuum/Pressure Pump |
| • MV8550-02 - 2 x Tubes (600mm) | • MV8550-06 - Brake Bleeding Adaptors | • MV8550-10 - Fluid Reservoir Kit |
| • MV8550-03 - Reservoir Kit | • MV8550-07 - Test Adaptors Kit | • MV8550-11 - Filter Priming Adaptors Kit |
| • MV8550-04 - Tube Connectors | • MV8550-08 - Repair Kit | |

Mityvac Fuel System Tester Kit MV5545E



Scan the QR code to watch a video of the Mityvac Fuel System Test Kit

- Diagnose and pinpoint common fuel system failures including failing fuel pump, faulty pressure regulator, blocked filter(s), pinched fuel line and contaminated fuel
- Measures fuel system pressure and flow to accurately pinpoint fuel system failures
- Capable of testing both return and returnless fuel systems including electronic control
- Provides clear visualisation of fuel to detect impurities and air bubbles
- **Contents:**
 - 90mm high pressure gauge with rubber boot, push-button relief valve and hanging hook
 - 1.2m pressure test hose
 - Inline pressure test hose with ¼ turn valve
 - 37 adaptors (Available individually on request)
 - Pressure relief hose
 - User Manual



Spare Parts:

- | | | |
|---|--|--|
| • MV5545-01 - High Pressure Gauge (0-8 bar) | • MV5545-03 - Quick Replacement Clips (x6) | Adaptors available individually on request |
| • MV5545-02 - Connection Hose (9.5mm ID x 1.2m) | • MV5545-04 - Hose Plug (x2) | |

Mityvac Fuel Injection Cleaner System MV5567

- Quickly and cleanly removes and prevents deposits on fuel injectors as well as loosening and dissolving carbon build-up in the air induction system, including the throttle plate, intake manifold and valves
- Enhances engine performance, improves fuel economy, reduces maintenance and improves emissions
- Adjustable inlet pressure regulator for use on low and high pressure fuel systems
- Pressure gauge (0-150 PSI) (0-10 bar)
- **Contents:**
 - Fuel Injection Cleaner Assembly with pressure regulator, gauge, valves, fittings and 950ml canister
 - 1.2m long connection hose
 - Wall Mount Bracket
 - 16 fuel injection system connectors
 - User Manual



Spare Parts:

- | | | |
|--|----------------------------------|--|
| • MV5567-01 - Canister | • MV5567-05 - Pressure Regulator | • MV5567-09 - Outlet Valve Assy |
| • MV5567-02 - Pick-up Tube & Filter Assy | • MV5567-06 - Replacement Gasket | • MV5567-10 - Wall Mount Bracket |
| • MV5567-03 - Hook & Chain Assy | • MV5567-07 - Relief Valve | • MV5567-11 - Connection Hose |
| • MV5567-04 - Air Inlet & Valve Assy | • MV5567-08 - Pressure Gauge | Adaptors available individually on request |