

# Engine Diagnostic Equipment



## Engine Diagnostic Equipment

Mityvac has long been an industry leader in vacuum related engine performance and diagnostic test equipment. In addition to the original Mityvac automotive vacuum test kits, we offer an outstanding selection of cylinder compression and fuel system pressure test kits to meet the needs of professional service technicians worldwide.

### MV5545 Fuel System Test Kit

The MV5545 Fuel System Tester diagnoses and pinpoints common fuel system failures including failing fuel pump, faulty pressure regulator, blocked filter(s), pinched fuel line, contaminated fuel and fuel tank vortex.

#### Features:

- Measures fuel system pressure and flow to accurately pinpoint fuel system failures.
- Saves hours of troubleshooting time by diagnosing a bad fuel pump and other related drivability problems in seconds.
- Patented system simulates extreme driving conditions in the shop to provide the most accurate diagnosis.
- Capable of testing both return and returnless fuel systems including electronic control.
- Provides clear visualization of fuel to detect impurities and air bubbles

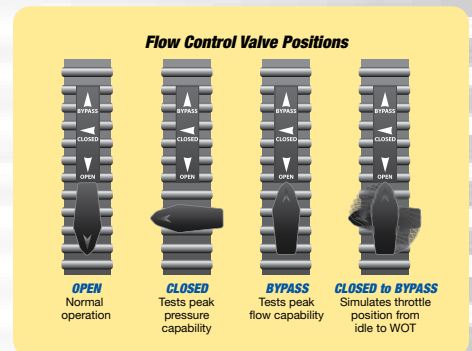
#### Includes:

- 3.5" (90mm) high pressure gauge with rubber boot, push-button relief valve, and hanging hook.
- Flowmeter w/ borosilicate glass flow-tube, patented flow-control valve, and 1 gallon/min maximum flow capability.
- (2x) 4' (1.2m) long flowmeter hose
- Clear bypass and pressure relief hoses
- (2x) Fuel hose clamp
- Adapters for connecting to U.S., European, and Asian manufactured cars & light trucks
- Flowmeter faceplates with gallons/minute and liters/minute units of measure
- Custom molded case
- Operator's manual



#### Specifications:

Packaged Weight:	13.7 lbs (6.2 kg)
Packaged Size:	17.1" long x 9.6" wide x 8.2" tall (435 mm x 245 mm x 210 mm)
Max. Volume	1.0 gallons/min. (3.8 liters/min.)
Max. Pressure	200 psi (13.5 bar)



MV5545

# Engine Diagnostic Equipment



## MV5546 Fuel Pressure Test Kit

Tests fuel system pressure to diagnose common fuel system problems including failing fuel pump, faulty pressure regulator, blocked filter(s), or pinched fuel line(s).

### Features:

- Contains 37 adapters for pressure testing most US, Asian, and European manufactured vehicles.
- High quality, heavy duty gauge with 0-120 psi (0-8 bar) scale, protective rubber boot, and push-button pressure relief valve.
- Uses SAE certified, fuel-rated quick connects for reliability, ease of use, and interchangeability.
- Easily upgrades to a fuel pressure and flow tester with the addition of flowmeter upgrade kit MVA5553.
- Packaged in custom toolbox style case.

### Includes:

- 3.5" (90 mm) high pressure gauge w/ rubber boot, push-button relief valve, and hanging hook.
- 4' (1.2 m) long pressure test hose
- Inline pressure test hose with ¼ turn valve
- 37 adapters for connecting to most U.S., European, and Asian manufactured automobiles
- Pressure relief hose
- Custom molded case
- Operator's manual

### Specifications:

Packaged Weight:	11.5 lbs (5.2 kg)
Packaged Size:	17.6" long x 10.2" wide x 8.2" tall (445 mm x 260 mm x 210 mm)

## MVA5553 Flowmeter Upgrade Kit

Upgrades MV5546 Fuel Pressure Test Kit into MV5545 FST Pro Fuel System Tester, for automotive fuel pressure and flow testing.

### Features:

- Includes flowmeter and accessories required for adding fuel flow testing capabilities to the Mityvac MV5546 Fuel Pressure Test Kit.
- Significantly reduces labor time to diagnose and pinpoint automotive fuel system malfunctions such as failing fuel pump, block fuel filter, and faulty pressure regulator.
- Allows visual inspection of fuel for contamination and air bubbles.
- Patented flow valve quickly performs deadhead test and allows simulation of wide-open throttle (WOT) condition while vehicle is at idle.

### Includes:

- Flowmeter w/ borosilicate glass flowtube, patented flow-control valve, and 1 gallon/min maximum flow capability.
- (2x) 4' (1.2m) long flowmeter hose
- Fuel Bypass Hose
- (2x) Fuel Hose Clamp
- (2x) Fuel Hose Plug
- Operator's manual

### Specifications:

Packaged Weight:	5.5 lbs (2.5 kg)
Packaged Size:	14.0" long x 13.8" wide x 3.0" tall (355 mm x 350 mm x 75 mm)



## Engine Diagnostic Equipment

### MVA552 Pressure Test Accessory Kit

Upgrades MV5545 FST Pro Fuel System Tester to allow it to test fuel pressure through the fuel rail test port.

#### Features:

- 4' (1.2 m) test hose allows pressure gauge to extend out from under the hood during drivability test.
- Inline and right angle adapters ease connection on hard to reach applications
- Adapters use SAE certified, fuel-rated quick connects for reliability, ease of use, and interchangeability.

#### Includes:

- 4' (1.2 m) long fuel pressure test hose.
- Right angle adapter for Schrader style fuel rail test ports with 7/16 x 20 thread
- Right angle adapter for Schrader style fuel rail test ports with .308 x 32 thread
- Inline adapter for Schrader style fuel rail test ports with 7/16 x 20 thread
- Inline adapter for Schrader style fuel rail test ports with .308 x 32 thread
- Operator's Manual

#### Specifications:

Packaged Weight:	1.2 lbs (.55 kg)
Packaged Size:	7.8" long x 5.8" wide x 2.0" tall (200 mm x 145 mm x 50 mm)

### Fuel System Test Adapters

With the noted exceptions, the following adapters are included in kits MV5545 and MV5546. Together, they fit most US, Asian, and European manufactured vehicles. Each can be ordered separately using the part number indicated below.

Part No.	Description	Application(s)
	1/4"-3/8" Barbed Flex Hose Adapter	Vehicles w/ 1/4", 5/16", or 3/8" rubber to steel hose connection
MVA505	1/4" Flex Hose Adapter 5/16" Flex Hose Adapter 3/8" Flex Hose Adapter	Vehicles w/ 1/4" rubber to steel hose connection Vehicles w/ 5/16" rubber to steel hose connection Vehicles w/ 3/8" rubber to steel hose connection
MVA507 *	GM/Chrysler Right Angle Test Port Adapter	GM & some Chrysler vehicles with 7/16"-20 thread test port on fuel rail
MVA508 *	Ford/Chrysler Right Angle Test Port Adapter	Ford & some Chrysler vehicles with .308-32 thread test port on fuel rail
MVA510 *	GM/Chrysler Test Port Adapter	GM & some Chrysler vehicles with 7/16"-20 thread test port on fuel rail
MVA511 *	Ford/Chrysler Test Port Adapter	Ford & some Chrysler vehicles with .308-32 thread test port on fuel rail
MVA512 <sup>2</sup>	3/8" Quick-change Adapter	GM, Chrysler, Jeep/Eagle
MVA517 <sup>3</sup>	M12 x 1.5 Ball Nose Adapter	European vehicles with CIS fuel system
MVA518 <sup>3</sup>	M14 x 1.5 Ball Nose Adapter	European vehicles with CIS fuel system
MVA519 <sup>3</sup>	M16 x 1.5 Ball Nose Adapter	European vehicles with CIS fuel system
MVA520 <sup>2</sup>	M16 x 1.5 Adapter	GM Vortec
MVA521 <sup>2</sup>	M14 x 1.5 Adapter	GM Vortec
MVA522 <sup>2</sup>	3/8" Flare Nut Adapter	Carbureted & early fuel injected systems
MVA523 <sup>2</sup>	5/16" Flare Nut Adapter	Carbureted & early fuel injected systems
MVA524 <sup>2</sup>	3/8" Spring Lock Adapter	Ford fuel injected systems
MVA525 <sup>2</sup>	1/2" Spring Lock Adapter	Ford fuel injected systems
MVA530 <sup>1</sup>	M8 x 1.0 Banjo Adapter	Toyota
MVA531 <sup>1</sup>	M10 x 1.0 Banjo Adapter	Toyota
MVA532 <sup>1</sup>	M12 x 1.25 Banjo Adapter	Toyota, Lexus, Geo, Honda, Acura, Hyundai, Mazda, Daihatsu, Chrysler imports
MVA533	M14 x 1.5 Banjo Adapter	European applications
MVA534 *	10 mm Quick-change Adapter	Diesel
MVA535	5/16" Quick-change Connect Adapter	GM, Chrysler, Jeep/Eagle, Toyota

\* Not Included in MV5545.    <sup>1</sup> Included in MVA504    <sup>2</sup> Included in MVA503    <sup>3</sup> Included in MVA502

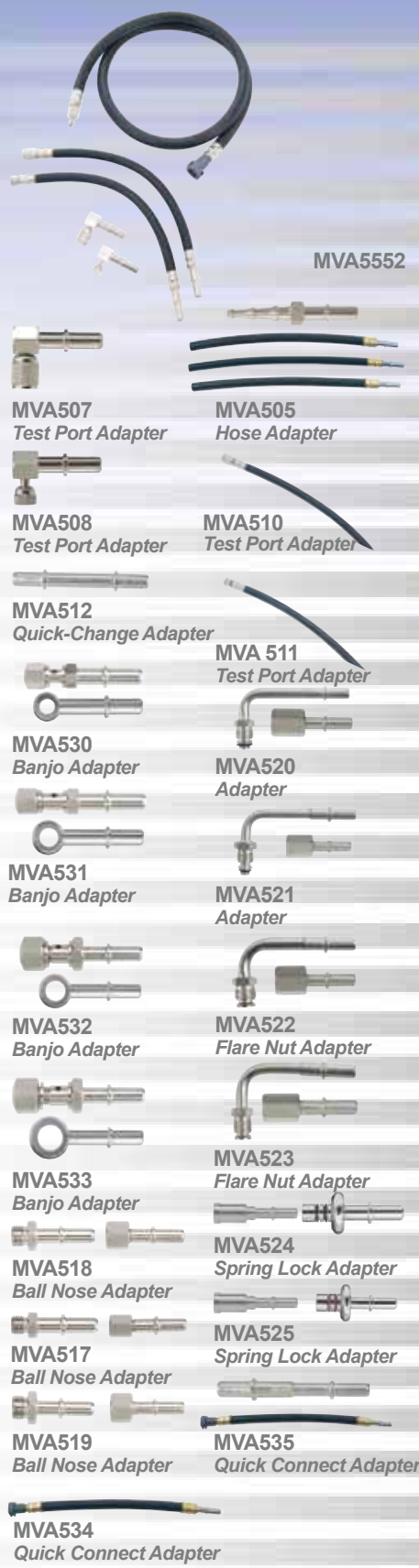
MVA504  
Banjo  
Adapter  
Kit



MVA503  
Ball Nose  
Adapter  
Kit



MVA502  
U.S.  
Adapter  
Kit





# Engine Diagnostic Equipment



MV5530

## MV5530 Compression Test Kit

This comprehensive kit includes everything required to perform dry and wet engine cylinder compression tests commonly used to detect ring or cylinder head problems, sticking valves, blown head gasket(s) and more. Includes adapters for use on motorcycles, marine and small engines and an air-hold adapter for performing valve seal repairs without removing the cylinder head(s). Not for use on diesel engines.

### Features:

- Manual pressure release for maintaining peak readings
- Professional-grade threaded adapters for leak-proof seals
- Extended hoses for hard-to-reach applications
- Large, easy-to-read 2 3/4" (70 mm) diameter gauge
- Adapters to fit engines as small as lawn mowers, chain saws and trimmers
- Quick-disconnect coupler for easy accessory changes

### Includes:

- 2 3/4" (70 mm) gauge with high impact lens, rubber boot, and four (4) scales of measure (psi, kg/cm<sup>2</sup>, bar, kPa), attached to 10" (250 mm) hose and quick release coupler
- 14 mm short-thread adapter with 6 1/2" (165 mm) and 12" (305 mm) hoses
- 14 mm long-thread adapter with 12" (305 mm) hose
- 18 mm short-thread adapter with 12" (305 mm) hose
- 14 mm short-thread x 18 mm long-thread adapter
- 10 mm thread small engine adapter
- 12 mm thread small engine adapter
- Quick-release air hold adapter
- Custom blow-molded case
- Field service kit
- User manual (English/Spanish/French)

### Specifications:

Packaged Weight:	3.5 lbs (1.6 kg)
Packaged Size:	14.5" wide x 8" tall x 2.7" deep (370 mm wide x 205 mm tall x 70 mm deep)
Max. Pressure:	300 psi (21kg/cm <sup>2</sup> ) (20.5 bar) (2,070 kPa)



MVA5501



MVA5507



MVA5502



MVA5508



MVA5503



MVA5509



MVA5504



MVA5510



MVA5506



MVA5511

## Gas Compression Test Adapters

### MVA5501

10 mm male thread x 14 mm standard reach female thread

### MVA5502

12 mm male thread x 14 mm standard reach female thread

### MVA5503

18 mm long reach male thread x 14 mm standard reach female thread

### MVA5504

14 mm standard reach thread x 12" (305 mm)

### MVA5506

14 mm long reach thread x 12" (305 mm)

### MVA5507

16 mm male thread for Ford Triton engines x 14 mm standard reach female thread

### MVA5508

14 mm standard reach thread x 6.5" (165 mm)

### MVA5509

18 mm standard reach thread x 12" (305 mm)

### MVA5510

Air Hold Adapter

### MVA5511 Deep Well Test Adapter

The Mityvac Deep Well Test Adapter is designed for compression testing gasoline engines with deep spark plug wells. The adapter extends 8" beyond the installation surface and services both 14 mm and 18 mm threads.

### Specifications:

Weight:	6.7 oz (190 g)
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# Engine Diagnostic Equipment



## MV5532 Digital Compression Test Kit

This comprehensive gasoline engine compression test kit features an electronic tester that memorizes the peak compression value for each cylinder. When testing is complete, the values can be quickly reviewed at the push of a button. Everything is included to perform wet and dry compression tests commonly used to detect ring or cylinder head problems, sticking valves, blown head gasket(s) and more. Includes adapters for use on motorcycles and marine and small engines, and an air-hold adapter for performing valve seal repairs without removing the cylinder head(s). Not for use on diesel engines.

### Features:

- Stores maximum compression value for up to 12 cylinders
- Backlit LC display is easy to read from any angle and in any light
- Uses standard 9V battery for convenience and cost
- Automatically shuts off after 3 minutes of non-use (memory is retained)
- Rubber boot protects the gauge from bumps and drops
- Sealed, grease- and oil-resistant gauge face prevents contamination of electronics
- Displays values in PSI, Bar and kPa

### Includes:

- Digital compression tester comprising of test gauge with rubber boot, 10" (250 mm) high-pressure hose and female quick-change coupler
- 14 mm standard reach thread x 6.5" (165 mm) hose adapter
- 14 mm standard reach thread x 12" (305 mm) hose adapter
- 14 mm reach thread x 12" (305 mm) hose adapter
- 18 mm standard reach thread x 12" (305 mm) hose adapter
- 18 mm reach male thread x 14 mm standard reach female thread plug adapter
- 16 mm male thread x 14 mm standard reach female thread plug adapter
- 10 mm male thread x 14 mm standard reach female thread plug adapter
- 12 mm male thread x 14 mm standard reach female thread plug adapter
- Air hold adapter
- Field service kit
- Custom-molded case
- User manual (English/French/Spanish/German)



MV5532

### Specifications:

Maximum Pressure:	300 psi (2070 kPa) (20.7 bar)
Packaged Weight:	4.9 lbs (2.21 kg)
Case Size:	15.7" wide x 12.4" tall x 3.2" deep (400 mm wide x 315 mm tall x 82 mm deep)

#### Current Pressure Indication

Displays the maximum compression value for the indicated cylinder until the **Pressure Relief Button** is pressed.

#### Current Unit Indication

Displays current unit of measure. Available units of measure include PSI, Bar or kPa.

#### On/Unit/Off Button

Pressing this button turns the tester on. Pressing it again changes the unit of measure. Pressing and holding the button for 3 seconds turns it off. The tester will turn off automatically after six minutes of non-use. Settings and compression values are maintained when tester is cycled off and on.

#### Cylinder Advance Button

Pressing this button advances the cylinder number by one in preparation for the next cylinder compression test.



#### Cylinder # Indication

Indicates the cylinder number corresponding to the displayed compression value.

#### Maximum Compression Indication

Indicates the maximum compression value for the indicated cylinder.

#### Clear Button

Clears the maximum compression value shown for the indicated cylinder. Clears the values for all cylinders and returns to cylinder #1 when held for 3 seconds.

#### Pressure Relief Button

Zeros the current pressure in preparation for the next test. Allows multiple tests without disconnecting the tester.

# Engine Diagnostic Equipment



MV5535

## MV5535 Digital Diesel Compression Test Kit

This comprehensive diesel engine compression test kit features an electronic tester that memorizes the peak compression value for each cylinder. When testing is complete, the values can be quickly reviewed at the push of a button. The kit also includes two (2) injector adapters and four (4) glow plug adapters for testing most modern diesel cars and light trucks sold in the United States.

### Features:

- Stores maximum compression value for up to 12 cylinders
- Backlit LC display is easy to read from any angle and in any light
- Uses standard 9V battery for convenience and cost
- Automatically shuts off after 3 minutes of non-use (memory is retained)
- Rubber boot protects the gauge from bumps and drops
- Sealed, grease- and oil-resistant gauge face prevents contamination of electronics
- Displays values in PSI, Bar and kPa

### Includes:

- Digital compression tester comprising of test gauge with rubber boot, 15" (380 mm) long, high-pressure hose, quick-change coupler
- Adapters MVA5601, MVA5602, MVA5603, MVA5604, MVA5605, MVA5606, MVA5607
- Injector Adapter (Dodge 24V 5.9L Cummins (1999-2003), 5.9L Cummins ISB and ISBE)
- Injector Adapter (Case/Cummins Series "B" 2.9L, 3.9L, 5.9L through 1998)
- Glow Plug Adapter (GM 4.3L, 5.7L (1978-1985), Navistar 6.9L, 7.3L through 1994)
- Glow Plug Adapter (GM 6.2L, 6.5L V8)
- Glow Plug Adapter (Ford/Navistar 7.3L Power Stroke (1994-2003))
- Glow Plug Adapter (Volkswagen 1.9L TDI)
- Right-angle Adapter
- Field service kit
- Custom-molded case
- User manual (English/French/Spanish/German)

### Specifications:

Maximum Pressure:	1,000 psi (6890 kPa) (68.9 bar)
Packaged Weight:	5.2 lbs (2.36 kg)
Case Size:	15.7" wide x 12.4" tall x 3.2" deep (400 mm wide x 315 mm tall x 82 mm deep)

## MV5536 Digital Diesel Compression Tester

The Mityvac MV5536 electronic diesel compression tester memorizes the peak compression value for up to 12 cylinders. After testing, the values can be quickly reviewed at the push of a button. Capable of testing compression up to 1,000 psi (6890 kPa) (68.9 bar). The tester features a backlit LC display that is easy to read in any light. Its oil- and grease-resistant gauge face and rubber boot make it durable, and the custom case has room for storing adapters.

### Features:

- Stores maximum compression value for up to 12 cylinders
- Backlit LC display is easy to read from any angle and in any light
- Uses standard 9V battery for convenience and cost
- Automatically shuts off after 3 minutes of non-use (memory is retained)
- Rubber boot protects the gauge from bumps and drops
- Sealed, grease- and oil-resistant gauge face prevents contamination of electronics
- Displays values in PSI, Bar and kPa

### Includes:

- Digital compression tester comprising of test gauge with rubber boot, 15" (380 mm), high-pressure hose and quick-change coupler
- Custom-molded case
- User manual (English/French/Spanish/German)

### Specifications:

Maximum Pressure:	1,000 psi (6890 kPa) (68.9 bar)
Packaged Weight:	2.5 lbs (1.11 kg)
Case Size:	12.5" wide x 8.4" tall x 3.8" deep (315 mm wide x 210 mm tall x 95 mm deep)



MV5536



# Engine Diagnostic Equipment



## Diesel Compression Test Adapters

Diesel engines utilize a fuel injector on each cylinder to inject fuel for combustion. Although they do not use spark plugs to ignite the fuel, most utilize glow plugs to aid cold starts. In order to access the compression within a cylinder, an adapter is required which replaces either the injector or the glow plug. Mityvac offers injector and glow plug adapters to facilitate testing of most diesel engines in use in cars and light trucks, industry, construction, marine and agriculture. In addition we offer MotoMeter™ and Snap-on™ adapters that allow the use of Mityvac testers with these brands of test adapters. All Mityvac adapters are designed for use with our digital or analog compression testers.

Manufacturer	Adapter No	Thread Size	Model/Engine
Allis-Chalmers	MVA5620		6000, 7000, 10000, 11000
Audi	MVA5622		All U.S. models
BMW	MVA5613	M12 x 1.25, M18 x 1.50	2.4L
J.I. Case	MVA5619		70 Series, 188 & 207 cid w/ pencil-type injector
J.I. Case	MVA5620		70 & 90 series, 1570, 2470, 2480, 4890 engines w/ non-pencil-type injector
Perkins	MVA5619		1100 & 3208 series pencil-type injector
Caterpillar	MVA5616		D336, 1674, 1676, 3406, 3408, 3412
Chevrolet	MVA5614	M10 x 1.25	1.8L, 2.2L LUV/Isuzu
Cummins/Case	MVA5602		B series, 2.9L, 3.9L, 5.9L
Cummins/Case	MVA5617		C series, 8.3L
Cummins/Case	MVA5623		NH855, V6, V8, V12, 903 V8, L10
Cummins	MVA5615		V-185, V-210, V-225, V-555, VT-255, VT-555
Cummins	MVA5622		6BT, 4.02" bore, 5.9L
Detroit Diesel	MVA5621		53, 71, 92, 110, 149, V53, V71
Deutz	MVA5613	M12 x 1.25, M18 x 1.50	Most models
Dodge	MVA5602		5.9L, 12V Cummins (1989-1998)
Dodge	MVA5601		5.9L, 24V Cummins (1998-2005)
Fiat Allis	MVA5620		8035-02-300, 8035-02-301, 8035-02-302, 8045-02, 8045-03
Fiat Allis	MVA5620		Tractor engines
Ford	MVA5612	M10 x 1.25	Escort, Lynx, Tempo, Topaz (1984-85)
Ford	MVA5603	M10 x 1.0	Navistar 6.9L & 7.3L through 1994
Ford	MVA5605	M10 x 1.0	Navistar 7.3L Power Stroke
Ford	MVA5610	M14 x 1.25	International VT365 and Ford Power Stroke 6.0L engines
Ford/Mazda	MVA5612	M10 x 1.25	2.0L & 2.2L Ford products including Ranger
Ford/Mazda	MVA5603	M10 x 1.0	4.3L & 5.7L (1978-85)
GM	MVA5604	M10 x 1.0	6.2L & 6.5L V8
GM	MVA5613	M12 x 1.25, M18 x 1.50	W4, W7, W7HV (GMC Trucks)
GM	MVA5611		Duromax 6600
IHC	MVA5620		D361, DT361 D429, DT429, DV462, DV550, DVT550, DT573, DV573, DVT573, 361, 407
IHC	MVA5614	M10 x 1.25	1.8L, 2.2L
Isuzu	MVA5611		6.6L
Isuzu	MVA5612	M10 x 1.25	NPR, KS, NGR (Trucks)
John Deere	MVA5619		Pencil Injector-Early 300, 400, 500 Series & 276, 404, 531 CID engines
John Deere	MVA5620		404, 466, 453, 619
Kubota	MVA5612	M10 x 1.25	Some models
Lincoln	MVA5613	M12 x 1.25, M18 x 1.50	2.4L Mark VII, Continental (1984-85)
Lincoln	MVA5612	M10 x 1.25	Mark VII, Continental w/ Volvo engines
Mack	MVA5620		END 405, 457, 475, 510, 605, 672, 673, 674, 711, 864 & ENDT 673, 675, 676, 865, 866
Mercedes	MVA5622		Cars & trucks w/ 24 mm ports
Mercedes	MVA5613	M12 x 1.25, M18 x 1.50	250, 300, 300 Turbo, 350 Turbo
Mercedes	MVA5624		Mercedes MBE-900 and MVE-4000
Mitsubishi	MVA5612	M10 x 1.25	2 & 3 cylinder engines, some Fusio
Navistar	MVA5618		DT360, DT466, 9.0L, 312, 360, 414, 436, & 446 cid up to 1997
Nissan	MVA5612	M10 x 1.25	2.2L & Medium UD truck
Onan	MVA5620		DSL, MDSL
Perkins	MVA5620		4.203, 4.236, 4.248, 6.354, 8.540
Perkins	MVA5619		1100 & 3208 series pencil-type injector
Peugeot	MVA5613	M12 x 1.25, M18 x 1.50	2.3L & 2.5L (1978-86)
Scania	MVA5620		DN11, DS11
Toyota	MVA5614	M10 x 1.25	1.8L
Toyota	MVA5612	M10 x 1.25	2.2L
Volkswagen	MVA5622		All except 1.6L & 1.9L TDI
Volkswagen	MVA5606		1.6L
Volkswagen	MVA5613	M12 x 1.25, M18 x 1.50	1.9L TDI
Waukesha	MVA5619		D155D
Waukesha	MVA5620		180DLC, 190D, 195D, 197D
White Farm	MVA5620		66, 77, 88, 99, 166, 177, 188, 199, 550, 660, 770, 880, 950, 1550, 1555, 1600, 1650, 16555, 1750, 17555, 1800, D2000, 2300, 3000
Wisconsin	MVA5620		340, 350, 430, 660, 670, 750, 860, 1000



\*Included in MV5535 Kit

# Engine Diagnostic Equipment

## MV5534 Analog Diesel Compression Tester

The Mityvac MV5534 diesel compression tester features an accurate glycerin-filled gauge capable of testing cylinder compression up to 1,000 psi (6890 kPa) (68.9 bar). It has a long 15" (380 mm) high-pressure hose with a quick-change coupler for getting into extremely tight areas. It also features a push-button pressure relief valve for running consecutive tests without disconnecting the gauge. The tester comes in a custom-molded case with extra storage space for adapters.



MV5534

### Features:

- Heavy-duty gauge is glycerin filled to dampen needle bounce
- Push-button pressure relief allows repeated tests without disconnecting the tester
- Quick-change coupler is convenient for getting into tight spaces
- Rubber boot protects the gauge from bumps and drops
- Units of measure include PSI, kg/cm<sup>2</sup> and Bar
- Includes custom-molded case with extra space for adapters

### Includes:

- Compression tester comprising of glycerin-filled test gauge with rubber boot, 15" long (380 mm long) high-pressure hose and quick-change coupler
- Custom-molded case
- User manual (English/French/Spanish/German)

### Specifications:

Maximum Pressure:	1,000 psi (6890 kPa) (68.9 bar)
Packaged Weight:	2.5 lbs (1.14 kg)
Case Size:	12.5" wide x 8.4" tall x 3.8" deep (315 mm wide x 210 mm tall x 95 mm deep)



## MV5520 Compression Test Kit

Designed for dry and wet automotive cylinder compression testing to detect ring or cylinder head problems, sticking valves, blown head gasket(s) and more. Pressure gauge has a large easy-to-read face, and includes hose and adapters for testing engines with 14 mm and 18 mm short thread and 14 mm long thread spark plugs. Not for use on diesel engines.



MV5520

### Features:

- Manual pressure release for maintaining peak readings
- Large easy-to-read gauge face with multi-colored scales
- Professional-grade threaded adapters for leak proof seals
- Quick-disconnect coupler speeds up cylinder changes

### Includes:

- 2 $\frac{3}{4}$ " (70 mm) diameter Bourdon tube gauge (readings indicated in four (4) scales of measure (bar, psi, kPa, and kg/cm<sup>2</sup>) with pressure release and quick-change coupler.
- 14 mm and 18 mm short-thread adapter with 15" (380 mm) hose
- 14 mm long-thread adapter
- User manual (English/Spanish/French)

### Specifications:

Packaged Weight:	1.0 lb (0.45 kg)
Size:	5" wide x 12" tall x 1 $\frac{3}{8}$ " deep (125 mm wide x 305 mm tall x 35 mm deep)
Max. Pressure:	300 psi (21 kg/cm <sup>2</sup> ) (20.5 bar) (2,070 kPa)



## Engine Diagnostic Equipment

### MV5525 Compression Tester

This quick-test style tester does not require threading into the spark plug hole, making it an ideal, economic solution for quickly diagnosing engine compression problems such as worn piston rings, sticking or burnt valves, blown head gasket(s) or carbon build-up in cylinders, on cars and small engines. Not for use on diesel engines.

**Features:**

- Large easy-to-read pressure gauge
- Universal rubber adapter fits virtually any size spark plug hole
- Manual release valve holds peak pressure readings for easy recording
- Small compact unit fits conveniently into tool box

**Includes:**

- 23/4" (70 mm) diameter Bourdon tube gauge (readings indicated in psi and kPa) with manual pressure release, 15" (380 mm) braided hose and GM/Chrysler adapter
- Ford adapter
- 6' (1.8 m) fuel drain hose
- User manual (English/Spanish/French)



MV5525

**Specifications:**

Packaged Weight:	6.7 oz (190 g)
Size:	6" tall x 2 3/4" dia. (150 mm tall x 70 mm dia.) gauge
Max. Pressure:	300 psi (21kg/cm2) (20.5 bar) (2,070 kPa)

### MV5515 Fuel Injection Pressure Test Kit

An essential tool for diagnosing many fuel injection problems including leaking or clogged injectors, fuel rail deterioration, clogged fuel filter and fuel pump malfunction. Kit includes adapters for GM, Ford, Chrysler, Jeep and Eagle multi-port fuel injection systems with fuel rail test ports.

**Features:**

- Large, easy-to-read gauge with 0 - 100 psi (0 - 700 kPa) scale
- Manual pressure release
- High-pressure braided hose with solid brass fittings

**Includes:**

- 2 3/4" (70 mm) diameter Bourdon tube gauge (readings indicated in psi and kPa) with manual pressure release, 15" (380 mm) braided hose and GM/Chrysler adapter
- Ford adapter
- 6' (1.8 m) fuel drain hose
- User manual (English/Spanish/French)



MV5515

**Specifications:**

Packaged Weight:	1.0 lb (0.45 kg)
Packaged Size:	5" wide x 12" tall x 1 3/8" deep (125 mm wide x 305 mm tall x 35 mm deep)
Max. Pressure:	100 psi (700 kPa)

### MV5511 Vacuum/Pressure Gauge and Fuel Pump Tester

Designed for performing pressure and vacuum tests on mechanical and electrical fuel pumps (up to 10 psi), this valuable instrument can also diagnose a wide variety of engine problems including improper valve timing, burned, chipped or stuck valves, sticking choke, leaking manifold, improper fuel mixture and more. The detailed gauge face illustrates normal and abnormal ranges of vacuum, and provides input for diagnosing common malfunctions.

**Features:**

- Large 3 1/2" (90 mm) diameter gauge indicates both pressure and vacuum
- Gauge face illustrates normal and abnormal operating ranges, and provides input for diagnosing common malfunctions
- Includes instructions for testing and diagnosing fourteen (14) critical engine and fuel pump functions

**Includes:**

- 3 1/2" (90 mm) compound gauge (readings indicated in psi, kg/cm2, in. Mercury (Hg), and cm Mercury (Hg)) with barb fitting
- 24" (610 mm) oil-resistant hose
- Universal fuel line adapter
- Tapered adapter
- Tee adapter
- User manual (English/Spanish/French)



MV5511

**Specifications:**

Packaged Weight:	12.3 oz (350 g)
Packaged Size:	5" wide x 12" tall x 1 3/8" deep (125 mm wide x 305 mm tall x 35 mm deep)
Max. Pressure:	10 psi (0.7 kg/cm <sup>2</sup> )
Max. Vacuum:	28 in. Hg (70 cm Hg)