

# 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 9 V 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 in. (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 in.B in. 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 (wide x tall x deep):	15.7 x 12.4 x 3.2 in. (400 x 315 x 82 mm)

\***⚠ WARNING** California Proposition 65: Cancer and reproductive harm.  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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## 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 with pencil-type injector
J.I. Case	MVA5620		70 & 90 series, 1570, 2470, 2480, 4890 engines with 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 in. 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 with 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 with 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 Fuso
Navistar	MVA5618		DT360, DT466, 9.0L, 312, 360, 414, 436, & 446 cid up to 1997

\*▲ **WARNING** California Proposition 65: Cancer and reproductive harm. [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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Manufacturer	Adapter No	Thread Size	Model/Engine
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



**\*MVA5601**  
Injector adapter



**MVA5624**  
Injector adapter



**MVA5623**  
Injector adapter



**MVA5622**  
Injector adapter



**MVA5621**  
Injector adapter



**MVA5620**  
Injector adapter



**MVA5619**  
Injector adapter



**MVA5618**  
Injector adapter



**\*MVA5602**  
Injector adapter



**MVA5617**  
Injector adapter



**MVA5616**  
Injector adapter



**MVA5615**  
Injector adapter



**\*MVA5603**  
Glow plug adapter



**\*MVA5604**  
Glow plug adapter



**MVA5614**  
Glow plug adapter



**MVA5613**  
Glow plug adapter



**MVA5612**  
Glow plug adapter



**MVA5611**  
Glow plug adapter



**MVA5610**  
Glow plug adapter



**\*MVA5605**  
Glow plug adapter



**\*MVA5606**  
Glow plug adapter

\*Included in MV5535 Kit

For the most up-to-date adapter applications, visit [www.mityvac.com](http://www.mityvac.com)