

COMPRESSION TESTING

B5204, B5254, B5252, B
5234T

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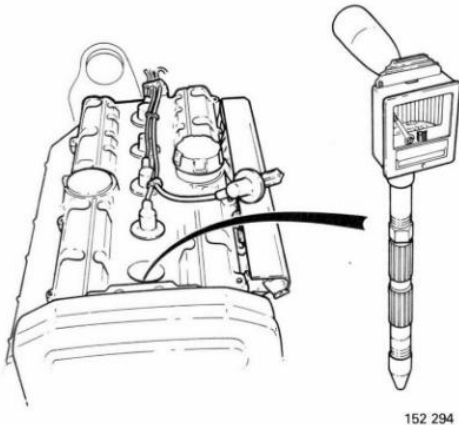
COMPRESSION TESTING

B5204, B5254, B5252, B5234T

Group 21 engine

AA. Compression testing

Special tools: 999 9689, 115 8263, 115 8540



Distributor ignition system (DI system)

Warning! The DI system operates at **high power** and **dangerous** voltages in both low and high tension circuits.

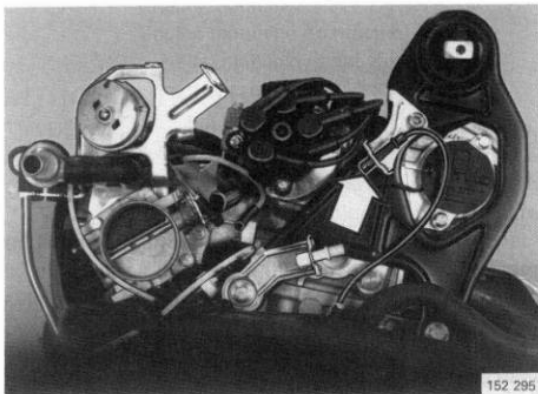
Dangerous voltages occur throughout the DI system, even in connectors etc.

Measure compression with the engine hot and at wide open throttle

Normal value B5204,
B5254, B5252.....MPa 1.3–1.5 (185–213 psi)

Normal value B5234TMPa 1.1–1.3 (156–185 psi)

NOTE! This applies when the engine is warm and the throttle fully open and the engine being turned by the starter motor at 4.2–5.0 rps (250–300 rpm).



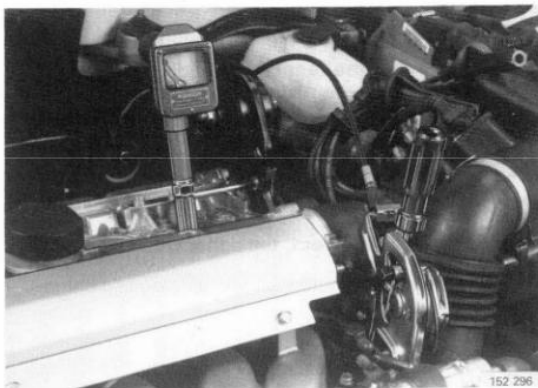
AA1

Remove:

- timing pick-up connector
- HT lead cover

Lock throttle open

Remove spark plugs and connect ignition switch 115 8263. Connect connector between alternator(+) and service output on control module.



AA2

Measure compression

Use compression tester 999 9689 with extension sleeve 115 8540.

Measure compression in all cylinders.

Reinstall spark plugs, screw in plugs **until seal is in contact** with cylinder head. Torque 25 Nm (18 ft. lb.).

Reinstall components.