

## Checking compression

Special tools and workshop equipment required

- t Compression tester -V.A.G 1763- with adapter -V.A.G 1763/8-

## Procedure

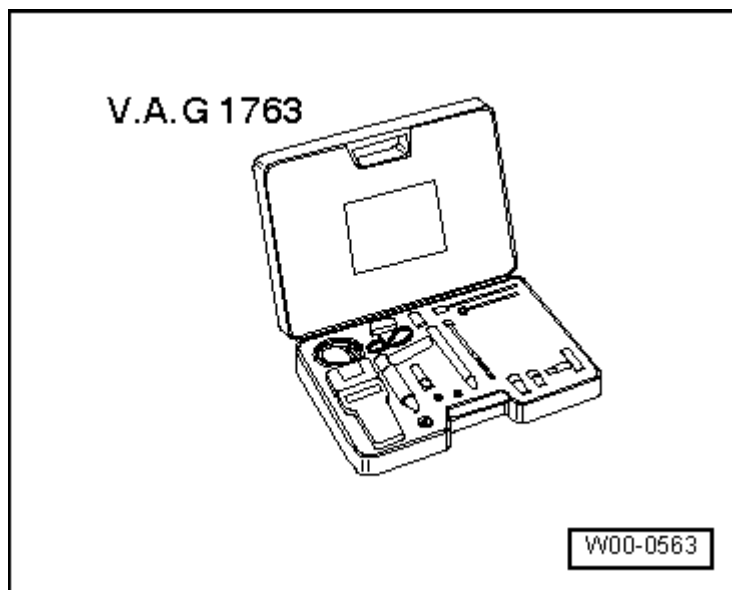
1 Engine oil temperature approx. 80°C

1 Battery voltage at least 12.5 V

– Remove engine cover panel

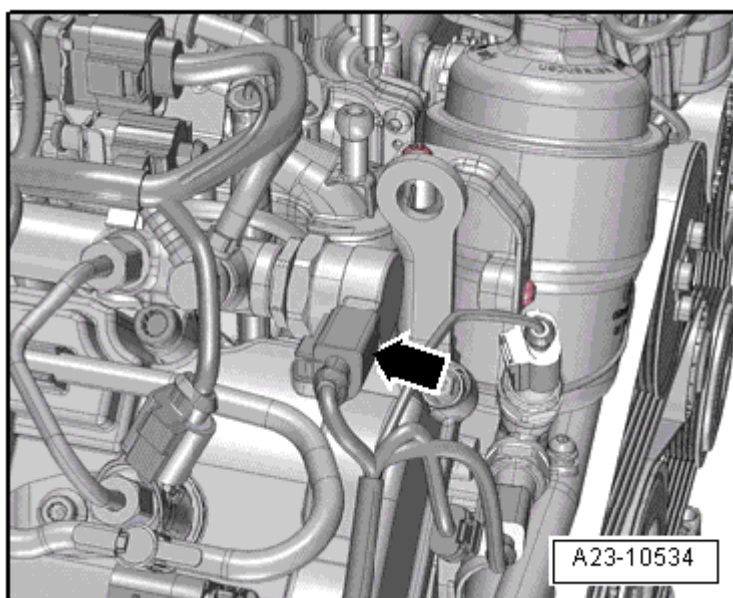
→ [Chapter](#).

– Detach electrical connectors from all glow plugs.

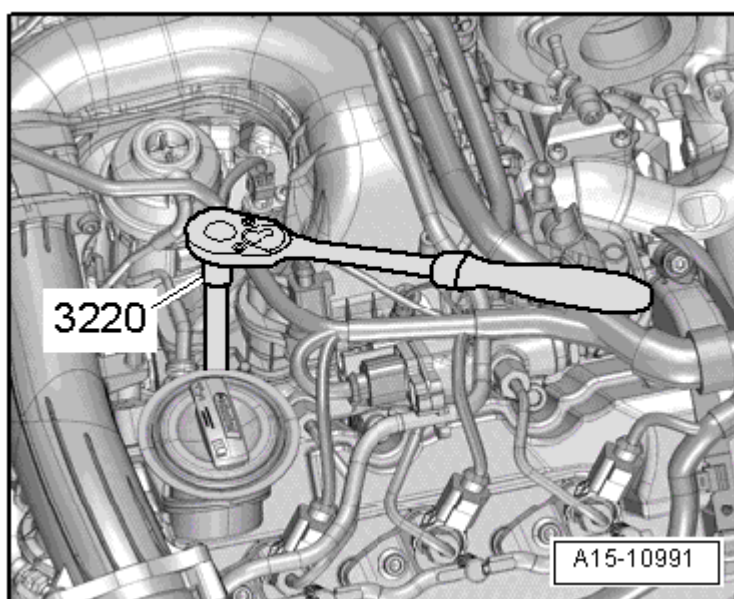


– Detach electrical connector -arrow- from fuel pressure regulating valve - N276- on high-pressure accumulator (rail) of cylinder bank 1 (right).

– Start engine briefly to reduce fuel pressure in high-pressure accumulator (fuel rail).



– Remove all glow plugs → [Chapter](#).



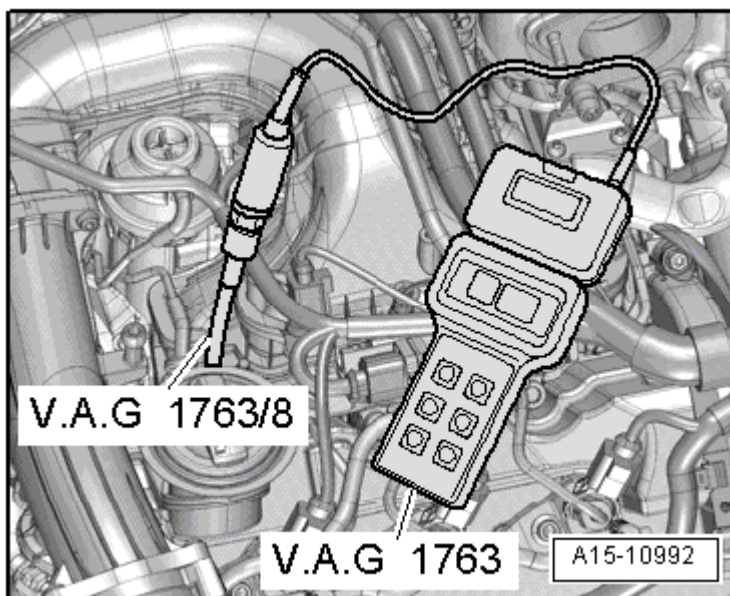
- Screw in adapter -V.A.G 1763/8- in
- each place where glow plugs were and connect compression tester - V.A.G 1763-.



Note

Using compression tester → [operating instructions](#).

- Have a 2nd mechanic operate starter until tester shows no further pressure increase.
- Repeat procedure on each cylinder.



Compression pressures	bar
New	28 ... 33
Wear limit	21
Maximum difference between cylinders	5

### Reassembly

Installation is carried out in the reverse order; note the following:

- Install glow plugs → [Chapter](#).
- Entries have been stored in the event memory of the engine control unit because the engine was started after electrical connectors had been detached: Read event memory in vehicle self-diagnosis → [Vehicle diagnosis tester](#).