Technical data of ignition system
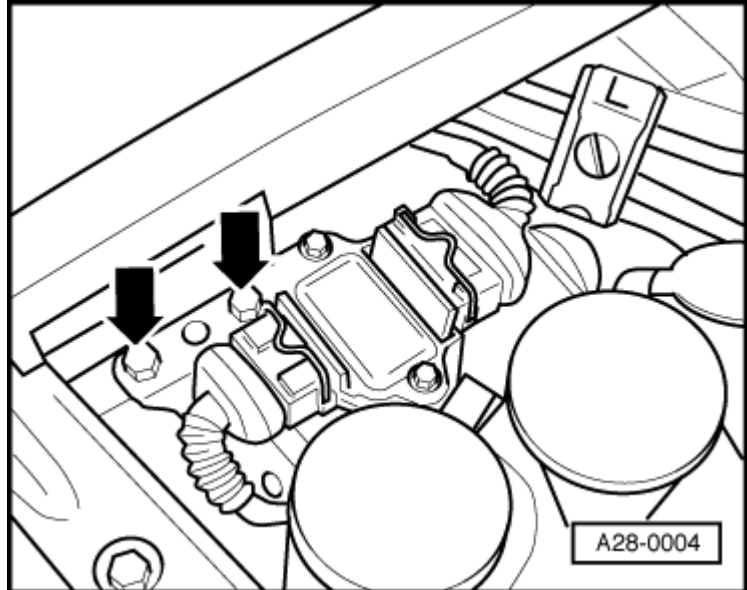## Testing output stages for ignition coils

For fitting location, see overview of engine compartment=>Page 24-5.
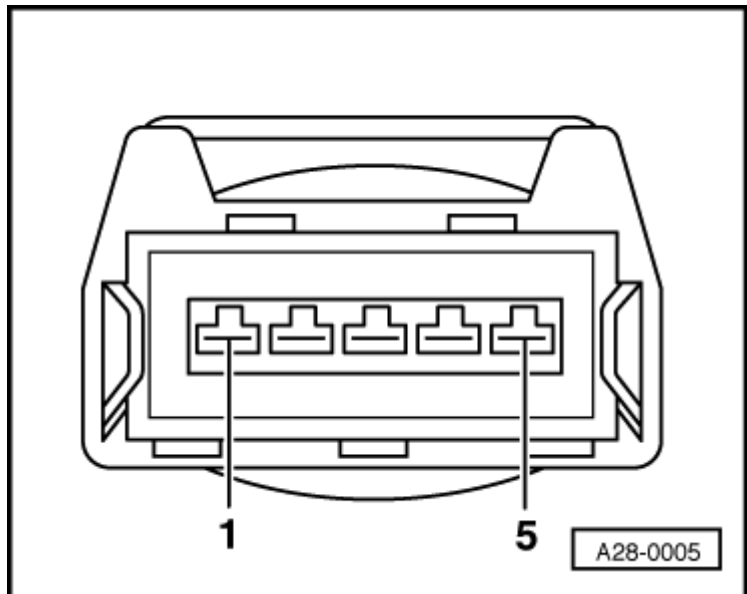
Testing activation of output stages

- ☐ → Unscrew bracket with output stages - N122 and -N192.
- ☐ Detach connectors from all injectors.
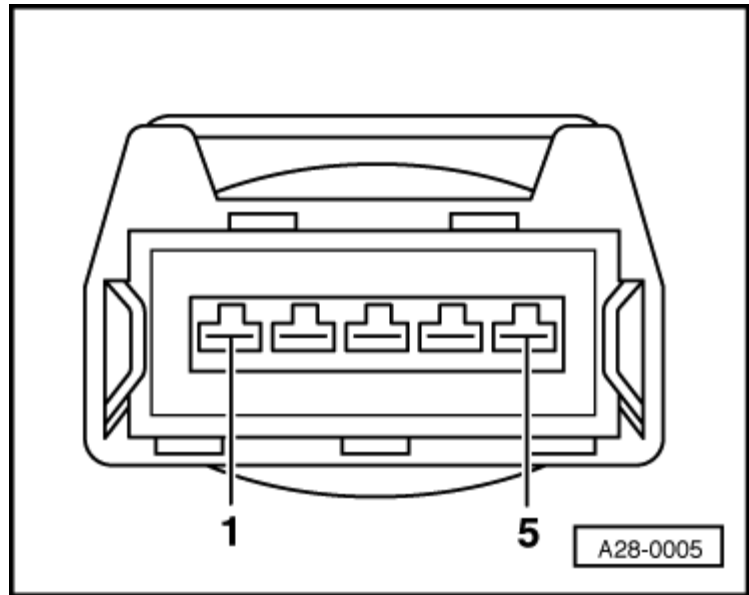- ☐ Detach 5-pin connectors from both output stages.

- ☐ → Connect diode test lamp with one terminal to engine earth. With other terminal, test contacts 1, 2, 4 and 5 on two 5-pin connectors consecutively.
- ☐ Actuate starter for a few seconds during each test.

The diode test lamp should flash each time.
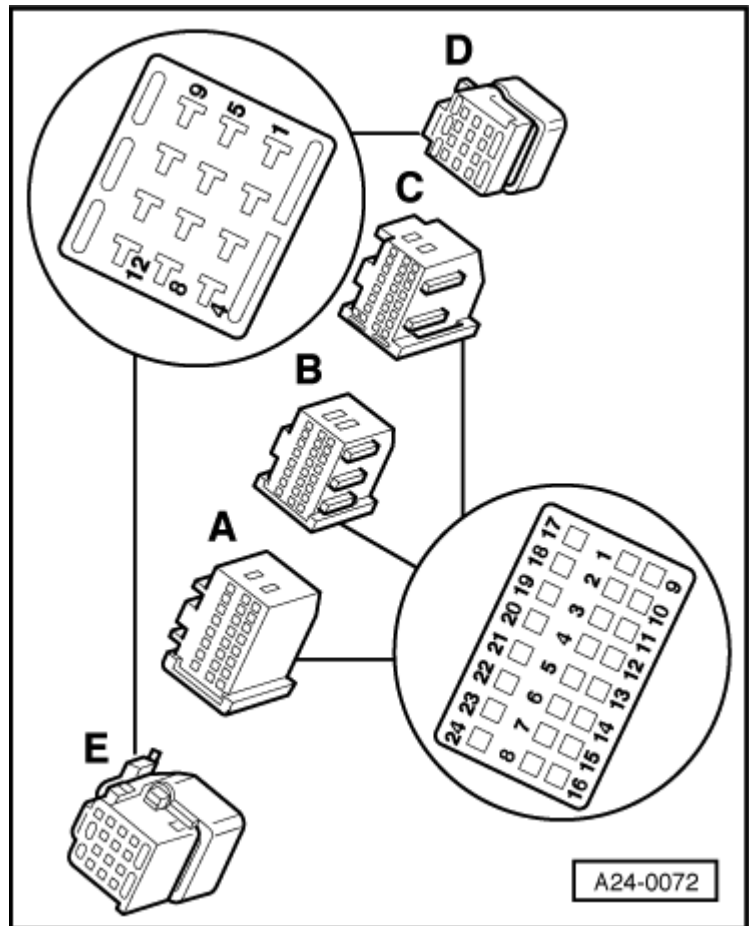

If the diode test lamp does not flash:

- ☐ Connect test box V.A.G. 1598/19 to engine control unit wiring harness=>Page 24-15.
- ☐ → Check wiring connection from 5-pin connector on output stage...

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□ → ...to engine control unit for break and short circuit to positive or earth.

=> Current Flow Diagrams, Electrical Fault-Finding and Fitting Locations binder

Contact on 5-pin connector of output stages	Contact on test box V.A.G 1598/19 or engine control unit
Black connector	
1	B8
2	B7
4	B6
5	B5
Brown connector	
1	B14
2	B13
4	B15
5	B16

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If the wiring connections to the engine control unit are OK:

□ → Check for continuity in earth wire from contact 3 of both 5-pin connectors to engine earth.

□ If there is no fault in any of the wiring,

renew engine control unit
=>Page .

Testing function of output stages

- Both 5-pin connectors on output stages remain connected.
- Detach both 4-pin connectors from output stages.
- Connect diode test lamp between positive (e.g. of activated charcoal filter solenoid valve connector, contact 1) and one contact on 4-pin output of each output stage.

Note:

Diode test lamps with very low current consumption will glow when the engine is stopped, and become brighter and dimmer during starting.

- Actuate starter for a few seconds during each test.

The diode test lamp should flash each time.

- If diode test lamp does not flash at one or more of the outputs, renew output stage.