

Checking additional signals

Checking cruise control system (CCS)

Special tools and workshop equipment required

- V.A.G 1526 A
- V.A.G 1594 A
- V.A.G 1598 with V.A.G 1598/5
- VAS 5051 with VAS 5051/1 and VAS 5051/2

With the exception of the operating switch, there are no components specific to the cruise control system; all functions are implemented by the diesel direct injection system.



Vehicles with engine code AAT up to 3rd control unit version, AEL1):

1) Engine control unit identification => from Page 01-5

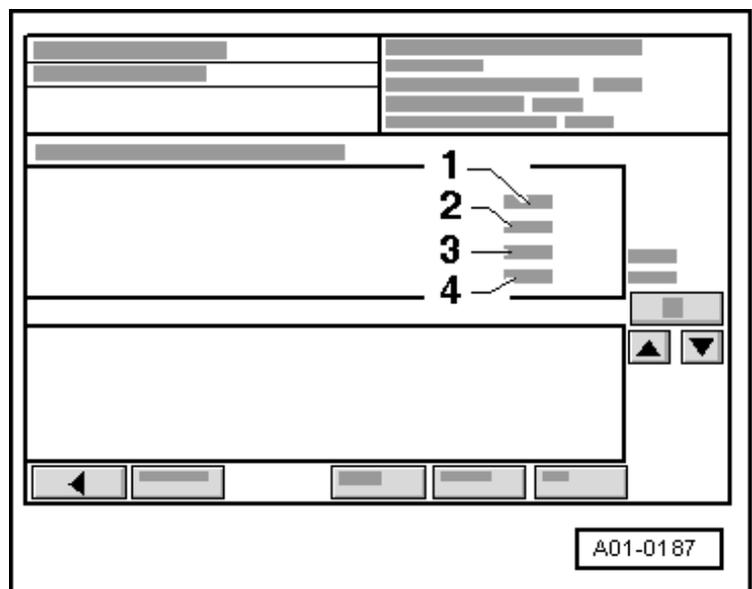
- Read measured value block, display group 006, ignition on => Page [01-60](#).

→ Readout on VAS 5051:

- Check display in zone -4-.
 - Specification: 0

Note:

If value displayed in zone 4 is 255:



- Activate cruise control system =>
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Vehicles with automatic gearbox:

Attention:
Before working on the vehicle with the engine running and in gear, engage the parking brake.

- Perform test drive, exceeding a speed of 30 km/h once. Then leave engine running and selector lever set to 2, 3 or D.
- Apply parking brake.

Note:

On vehicles with automatic gearbox, cruise control system switch is only supplied with power at speeds in excess of 30 km/h and with selector lever set to 2, 3 or D. Power supply is then maintained even at idle, provided that gear (other than 1 or R) is engaged.

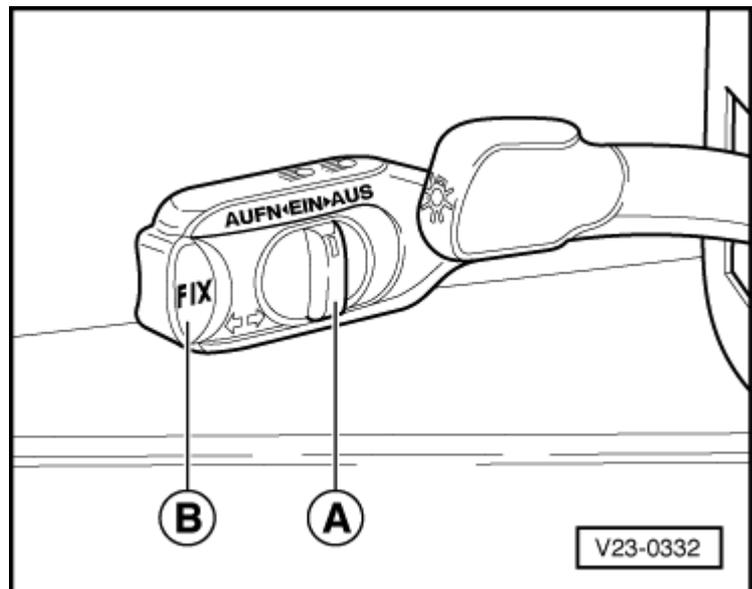
- Check display in zone 3 in corresponding switch position.

Test condition	Display zone 3
Switch A set to "OFF", engaged	000000
Switch A set to "OFF", before engagement point	000011
Switch A set to "ON"	000001
Switch A set to "ACTIV"	001001
Switch B pressed	000101
Brake pressed	010001
Clutch pressed	100001

- Terminate function "08 - Read measured value block" by touching
 - key.
- Touch "06 - End output".
- Switch off ignition.

If readings do not match specifications:

- With ignition switched off, use adapter V.A.G 1598/5 to connect test box V.A.G 1598A to engine control unit connector only (not to control unit) => Page [23-45](#).
- Unplug connector at CCS switch.



=> [Electrical System; Repair Group 94; Servicing steering column switch](#)

- Check for open circuit and short to earth/positive in the following wiring.

Connector Contact	Test box V.A.G 1598 A Socket
1	30
2	45
3	48
4	24
5 1)	To fuse 64
5 2)	To gearbox control unit
6	24

- 1) Vehicles with manual gearbox.
- 2) Vehicles with automatic gearbox.

- Use current flow diagram to eliminate open circuit in wiring/short circuit.

If no fault is found in wiring:

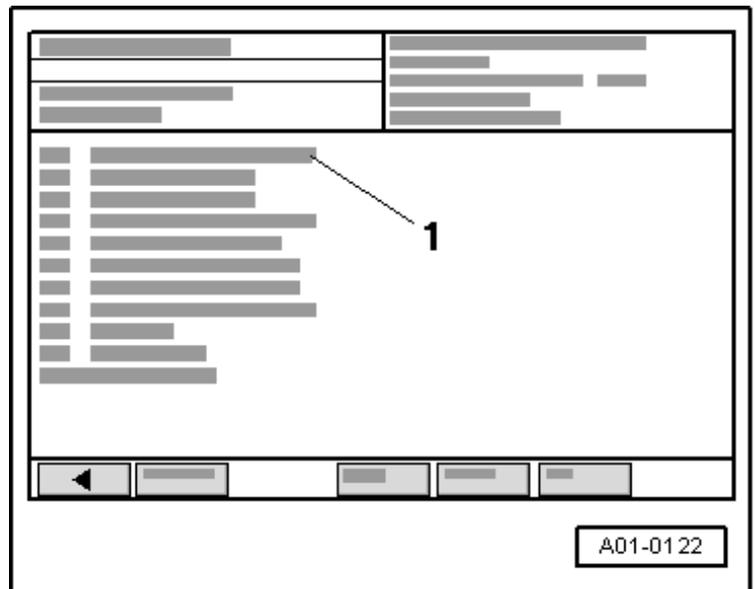
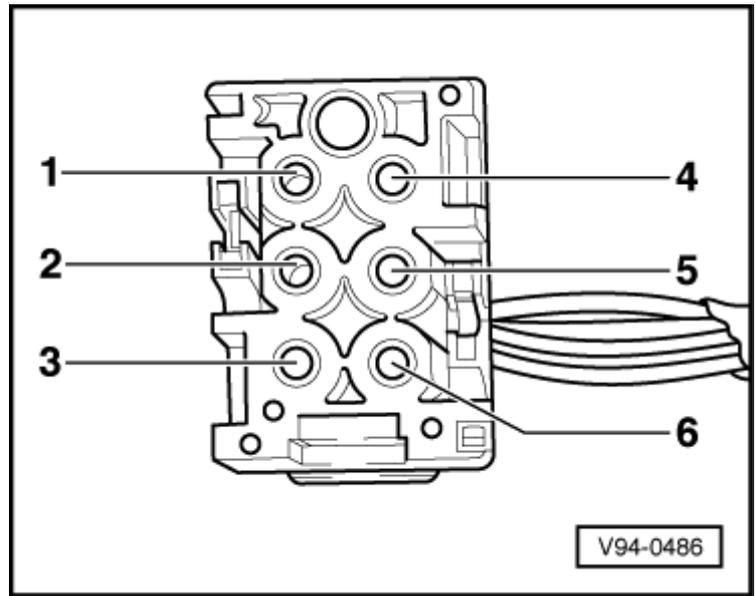
- Replace cruise control switch.

Activating cruise control system

- Connect up vehicle diagnostic, testing and information system VAS 5051 => Page [01-2](#) and select vehicle system "01 - Engine electronics" from list. Ignition must be on.

→ Readout on VAS 5051:

- From list -1- select diagnostic function "11 - Login procedure".



→ Readout on VAS 5051:

- 1 - Enter code word

Activating CCS:

- Use keypad -2- to enter "11463" and confirm entry by touching Q key.

Deactivating CCS:

- Use keypad -2- to enter "16167" and confirm entry by touching Q key.
- Terminate function "11 - Login procedure" by touching key.
- Touch "06 - End output".
- Switch off ignition.

