

Checking accelerator position senders -G79 and -G185

Checking clutch pedal switch -F36

This signal is designed to prevent speed overshoots and jerkiness on switching from throttle open to throttle closed and vice versa when disengaging clutch. It is needed for the cruise control system.

- Connect the vehicle diagnostic, testing and information system VAS 5051 or fault reader V.A.G 1551 and select engine electronics control unit with "Address word" 01 => Page 01-15.
For this purpose, the ignition must be switched on.

→ Indicated on display:

Rapid data transfer HELP
Select function XX

- Press keys 0 and 8 for the function "Read measured value block" and confirm entry with Q key.

→ Indicated on display:

Read measured value block 08
Enter display group number XXX

- Press keys 0, 6 and 6 for "display group number 66" and confirm entry with Q key.

→ Indicated on display:

Read measured value block 66 ⇒
1 2 3 4

- Observe readout in display zone 2.

	Display zones			
	1	2	3	4
Display group 66: Signals to engine control unit				
Display	xxx km/h	0 0 0 0	xxx km/h	0 0 0 0
Display	ACTUAL speed	Switch settings	SPECIFIED speed	Switch positions for cruise control system
Range		off = 0 on = 1		off = 0 on = 1
Specified value		0 0 0 0		
Note		Relevance of figures => Page 24-199		

- Operate clutch pedal

Significance of 4 digit readout of display zone 2:

x	x	x	x	Display zone 2
			X	Brake light switch 0 = Brake pedal not operated 1 = Brake pedal operated
		X		Brake pedal switch 0 = Brake pedal not operated 1 = Brake pedal operated
				Checking clutch

	X			pedal switch 0 = Clutch pedal not operated 1 = Clutch pedal operated
X				Cruise control system (CCS) 0 = CCS deactivated 1 = CCS activated

	Display zones			
	1	2	3	4
Display group 66: Signals to engine control unit				
Display	xxx rpm	0 1 0 0	xxx km/h	0 0 0 0
Display	Actual engine speed (actual value)	Switch settings		Switch positions for cruise control system
Range		off = 0 on = 1		off = 0 on = 1
Specified value		0 1 0 0		
Note		Display should change from 0 to 1.		

- Allow clutch pedal to return slowly to its normal position.
- Display should change from 1 back to 0.

If display does not change:

- Check the power supply =>Page 24-201.

Checking power supply

- Remove driver's storage compartment:

=> General Body Assembly, Interior; Repair group 68; Dash panel; Removing driver's storage compartment

- Unplug 2-pin connector from clutch pedal.
- Connect hand-held multimeter (voltage range) between the following sockets on the connector:
- Switch the ignition on.

2-pin connector on wiring harness, socket	Specified value
2 + earth	Battery voltage

If specified value is attained:

- Check the wiring =>Page 24-202.

If specified value is not attained:

- Check the wiring connections from socket 2 of connector for open circuit/short to earth.

=> Current Flow Diagrams, Electrical Fault-finding and Fitting

Locations binder

Checking wiring

- Connect test box V.A.G 1598/31 to wiring harness for engine control unit; do not connect the engine control unit => Page 24-12.

Check the following wiring connection for open circuit and short circuit to positive or earth.

2-pin connector on wiring harness, socket	Test box V.A.G 1598/31, socket
1	39

Wire resistance: max. 1.5 Ohm

- Rectify any open/short circuit as necessary.

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

If no open circuit is detected:

- Replace clutch pedal switch.