

Climatronic Trick – Climatronic Diagnostic Codes

The speedometer has a factory built-in error to show a speed faster than your actual speed. The Climatronic (automatic climate control) system includes a number of sensors that you can access through the diagnostic mode. To see your true speed in digital format press the following key combinations:

1. Press Fan Down, Temperature Colder, ECON at the same time.
2. Use the temperature control buttons to cycle through the various channels to Channel 16.
3. Press ECON to go back to normal. (It goes back automatically when you restart the car.)

This information was originally posted by Syncro Driver @ VWvortex forums:

There are a total of 45 diagnose channels numbered from 0 to 44. Some readouts represent a measured value and can't be altered--for example the amount of light that the sunshine-sensor on the dashboard measures. Others represent the actual adjustment and can be altered--for example the speed of the blower in 256 steps.

It's not possible to make permanent adjustments so don't be afraid to try it at your own Climatronic. (Stargazer's Disclaimer: I am not responsible for any damage which may occur to your vehicle by attempting to use these techniques.)

[quote]

"The channels that I know the meaning of are:

- 1 Interior temperature (sensor)
- 3 Sunlight sensor
- 7 Coolant temperature sensor
- 9 Blower speed (adjustable)
- 10 Measured blower speed (sensor)
- 11 Defog valve (adj. 0-255)
- 12 Dashboard ventilation valve (adj. 0-255)
- 13 Recirculation valve (adj. 0-255)
- 14 Lower ventilation valve (adj. 0-255)
- 16 Speed (sensor)

Btw, an audi climatronic had 72 channels of which I do have a list. The 45 of VW must be a selection of this list (also a Hella system as far as I know) but I just don't know which. Is there anyone who knows them all?"

- Inhalt 1 Systemfehler = #systemerror
- 2 Ist-Wert Fühler virtuell = #actual value sensor virtual
- 3 Ist-wert Innenfühler Konsole = #actual value inner sensor console
- 4 Ist-Wert Außentemperaturfühler Wasserkasten = #actual value outside temp sensor water reservoir
- 5 Ist-Wert Außentemperaturfühler Stoßfänger = #actual value outside temp sensor bumper
- 6 Ist-Wert Ausblasfühler Fußraum = #actual value bloweroutlet sensor footspace
- 7 Ist-Wert Ausblasfühler Mannanströmer = #actual value bloweroutlet sensor dashboard
- 8 Displaycheck #
- 9 Ist-Digitalwert Rückmeldepoti Temperaturklappe = #actual digital value feedback potentiometer temp. valve
- 10 Soll-Digitalwert Temperaturklappe = #set digital value temp. valve
- 11 Ist-Digitalwert Rückmeldepoti A/C Klappe
- 12 Soll-Digitalwert A/C Klappe
- 13 Ist-Digitalwert Rückmeldepoti Fuß/Def. Klappe
- 14 Soll-Digitalwert Fuß/Def. Klappe
- 15 Ist-Digitalwert Rückmeldepoti Stauluftklappe
- 16 Soll-Digitalwert Stauluftklappe
- 17 Fahrgeschwindigkeit (km/h) = Channel 16
- 18 Istwert der Gebläsespannung (Volt)
- 19 Sollwert der Gebläsespannung (Volt)
- 20 Istwert der Kompressor/Bordspannung (Volt)
- 21 Anzahl Niederspannungseignisse (nicht flüchtig)
- 22 Schaltzustand des Hochdruckfühlers
- 23 Anzahl Hochdruckereignisse (flüchtig)
- 24 Anzahl Hochdruckereignisse (nicht flüchtig)
- 25 A/D-Wert Kick-Down Schalter
- 26 A/D-Wert Heißleuchte
- 27 Motordrehzahl
- 28 Kompressordrehzahl
- 29 Codierung
- 30 Software-Version
- 31 Softwareindex
- 32 Potifehlerzähler Temperaturklappe
- 33 Potifehlerzähler A/C Klappe
- 34 Potifehlerzähler Fuß/def. Klappe
- 35 Potifehlerzähler Stauluftklappe
- 36 Temperaturklappe Anschlag kalt
- 37 Temperaturklappe Anschlag warm
- 38 A/C Klappe Anschlag geschlossen
- 39 A/C Klappe Anschlag offen
- 40 Fuß/Def. Klappe Anschlag Def.
- 41 Fuß/Def. Klappe Anschlag Fuß
- 42 Stauluftklappe Anschlag auf
- 43 Stauluftklappe Anschlag zu
- 44 Fahrzykluszähler

45 Innentemperatur gerechnet (Nine) dig

Contents of 1 system error # system error

2 actual value feeler virtually # actual VALUE sensor virtual

3 actual value of interior feelers console # actual VALUE internal sensor CONSOLE

4 actual value outside temperature feeler wasserkasten # actual VALUE outside temp sensor water reservoir

5 actual value outside temperature feeler bumper # actual VALUE outside temp sensor more bumper

6 actual value blowing out feeler floor space # actual VALUE bloweroutlet sensor footspace

7 actual value blowing out feeler Mannanstroemer # actual VALUE bloweroutlet sensor dashboard

8 display CHECKS #

9 actual digital value answering potentiometer temperature flap # actual digitally VALUE feedback potentiometer temp valve

10 debit digital value temperature flap # set digitally VALUE temp valve

11 actual digital value answering potentiometer A/C flap

12 debit digital value A/C flap

13 actual digital value answering potentiometer Fuss/Def. Flap

14 debit digital value Fuss/Def. Flap

15 actual digital value answering potentiometer ram air flap

16 debit digital value ram air flap

17 driving speed (km/h) 16

18 actual value of the blower voltage (volt) 19 desired value of the blower voltage (volt)

20 actual value of the compressor/on-board voltage (volt)

21 amount of of low-voltage events (not volatile)

22 switching status of the high pressure feeler

23 number of high pressure events (volatile)

24 number of high pressure events (not volatile)

25 A/D value kickdown switch

26 A/D value hot light

27 engine speed

28 compressor number of revolutions

29 coding

30 software-Version

31 software index of

32 potentiometer error counters temperature flap of

33 potentiometer error counters A/C flap of

34 potentiometer error counters Fuss/def. Flap of

35 potentiometer error counters ram air flap

36 temperature flap impact coldly

37 temperature flap impact warmly

38 A/C flap impact closed

39 A/C flap impact openly

40 Fuss/Def. Impact Def folds.

41 Fuss/Def. Impact foot

42 ram air flap impact on

43 ram air flap impact folds to

44 operating cycle counters

45 interior temperature counted (Nine) dig