



# VW Golf (1K) Steering Assist

## From Ross-Tech Wiki

(Redirected from Skoda Octavia (1Z) Steering Assist)

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## Adaptation

## Basic Setting

### Sensor for Steering Angle (G85)

**Important Note:** This applies only for Models with Conti/Teves MK70 ABS/ASR. For Conti/Teves MK60 ABS/ASR/ESP look at Vehicle specific specific Procedures in ABS System documentation.

#### **Prerequisites:**

- Start the vehicle.
- Turn the steering wheel one turn to the right and one turn to the left.
- Drive in a short distance straight line on a level surface at a speed not higher than 20 km/h.
- If the steering wheel is straight during the test drive then stop the vehicle with the wheels pointed straight.
- Ensure that the steering wheel is not moved again.
- Keep the engine running and do not switch off the ignition.
- System voltage at least 12.0 V.

[Select]

[44 - Steering Assist]

[Coding-II - 11] or if that function is not available then use [Sec.Access - 16] instead

Enter 40168, to enable the basic setting.

[Do it!]

[Basic Settings - 04]

Group 060

[Go!]

Activate the Basic Setting.

[ON/OFF/Next]

After a successful basic setting, field 1 should say "OK".

[Done, Go Back]

To make sure the basic setting was succesful, check the sensor again.

[Measuring Blocks - 08]

Group 007

[Go!]

Check field 1, the value has to be between -1.5 and +1.5 °.

[Done, Go Back]

[Close Controller, Go Back - 06]

*Note: After successful basic setting, the Steering Limit Stop needs to be adapted too.*

## Special Procedures

### Steering Limit Stop Adaptation

(Engine still running)

- Center steering wheel ( $\pm 10^\circ$ ) and hold it centered for 5 seconds.
- Turn steering wheel completely to the left and hold it there for a second.
- Turn steering wheel completely to the right and hold it there for a second.
- Center steering wheel ( $\pm 10^\circ$ ).
- Switch OFF engine and ignition.
- Switch ON ignition.
- Wait 5 seconds.
- Steering Assist Warning Lamp should turn OFF. If it doesn't, perform a short test drive.

### Checking Steering Torque Sensor (G269)

#### Prerequisites:

- Ignition ON
- Engine ON (Idle)
- System voltage at least 11.0 V.

[Select]

**[44 - Steering Assist]**

**[Meas. Blocks - 08]**

Group 001

**[Go!]**

Field 2: Steering Torque Sensor (G269)

*Turn the Steering Wheel multiple times completely to the left and right. The Torque Values should change.*

*If the Torque Values do change, it's most likely an intermittent Fault in the Wiring/Connectors.*

*If the Torque Values do **NOT** change, the Sensor itself or the Power Supply (Terminal 15) might be faulty.*

Group 004

**[Go!]**

Field 2: Power Supply (Terminal 15), Specification: "Term. 15 ON"

**[Done, Go Back]**

**[Close Controller, Go Back - 06]**

**Special Notes**

If the 02546 - Steering Limit Stop 005 - No or Incorrect Basic Setting / Adaptation fault will not clear after driving the vehicle and completing the VW Golf (1K) Steering Assist procedure, increase the time in-between key cycles to 30 seconds or more.

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