



VW Golf (1K) Brake Electronics (MK60)

From Ross-Tech Wiki

(Redirected from Audi A3 (8P) Brake Electronics (MK60))

Contents

- 1 Coding
 - 1.1 ABS/EDS/ASR/ESP (MK60)
 - 1.2 ABS/EDS/ASR/ESP (MK60) 4Motion (All-Wheel-Drive)
- 2 Adaptation
- 3 Basic Setting
 - 3.1 Sensor for Steering Angle (G85)
 - 3.2 Lateral Acceleration Sensor (G200)
 - 3.3 Brake Pressure Sensor 1 (G201)
 - 3.4 Longitudinal Acceleration Sensor (G251)
 - 3.5 Tire Pressure Monitoring System Reset
- 4 Special Procedures
 - 4.1 System Function Test

Coding

ABS/EDS/ASR/ESP (MK60)

- **Model:**
 - +0000000 = Audi A3 (8P) / Seat Leon (1P) / VW Golf/Jetta (1K)
 - +0000064 = VW Touran (1T)
 - +0000080 = VW Caddy (2K)
 - +0000096 = VW Eos (1F)
 - +0000112 = Seat Altea/Toledo (5P) / VW Golf Plus (5M)
- **Frontbrakes (*Sensor Cluster OLD*):**
 - +0000005 = FS III 54 15" (*PR-1ZF/1ZM/1ZC*)
 - +0000006 = FN III 54 15"/16" (*PR-1ZE/1LJ/1ZP/1ZD/1LL*)
 - +0000009 = FRNG 57 17" (*PR-1LK*)
- **Frontbrakes (*Sensor Cluster NEW*):**
 - +0000001 = FS III 54 15" (*PR-1ZF/1ZM/1ZC*)
 - +0000002 = FN III 54 15"/16" (*PR-1ZE/1LJ/1ZP/1ZD/1LL*)
 - +0000008 = FRNG 57 17" (*PR-1LK*)

- **Suspension:**
 - +0000640 = Standard/Sport Suspension (*PR-2UA/2UC OR PR-UA0/UA1/UA9*)
 - +0001152 = Rough Road/Comfort Suspension (*PR-2UB/2UD OR PR-UA2*)
- **Engine:**
 - +0002048 = 1.4l / 1.6l & 1.6l FSI
 - +0004096 = 1.9l TDI PD / 2.0l FSI / 2.0l SDI PD & All with Automatic Transmission
 - +0006144 = 2.0l TDI PD
- **Tire Pressure Monitoring (TPMS):**
 - +0000000 = with ABS based Tire Pressure Monitoring (*PR-7K1/7K6*)
 - +0016384 = without ABS based Tire Pressure Monitoring (*PR-7K0/7K8*)

Notes: See production codes on car data plate. Coding is the sum of the individual options.

Sensor Cluster OLD: Installed behind glove compartment (*ONLY VW Caddy (2K) & VW Touran (1T) & Audi A3 (8P) <MY2005*).

Sensor Cluster NEW: Installed under passenger seat (*All Others & Audi A3 (8P) MY2006>*).

Special Notes: When replacing 1K0-907-379-D with 1K0-907-379-K or newer, the original Coding **CANNOT** be transferred to the new Control Module. Instead you need to build a new Coding using the Table above.

ABS/EDS/ASR/ESP (MK60) 4Motion (All-Wheel-Drive)

- **Model:**
 - +0000000 = Audi A3 (8P) / Seat Leon (1P) / VW Golf/Jetta (1K)
- **Frontbrakes:**
 - +0000001 = FS III 54 15" (*PR-1ZF/1ZM/1ZC*)
 - +0000002 = FN III 54 15"/16" (*PR-1ZE/1LJ/1ZP/1ZD/1LL*)
 - +0000008 = FRNG 57 17" (*PR-1LK/1ZK*)
- **Suspension:**
 - +0000640 = Standard (*PR-2UA/2UB/2UC*)
- **Engine:**
 - +0002048 = 1.4l / 1.6l & 1.6l FSI
 - +0004096 = 1.9l TDI PD / 2.0l FSI / 2.0l SDI PD & All with Automatic Transmission
 - +0006144 = 2.0l TDI PD
- **Tire Pressure Monitoring (TPMS):**
 - +0000000 = with ABS based Tire Pressure Monitoring (*PR-7K1/7K6*)
 - +0016384 = without ABS based Tire Pressure Monitoring (*PR-7K0/7K8*)

Notes: See production codes on car data plate. Coding is the sum of the individual options.

Adaptation

Basic Setting

Sensor for Steering Angle (G85)

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]

[03 - Brake Electronics]

[Measuring Blocks - 08]

Group 004

[Go!]

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

[Done, Go Back]

[Coding-II - 11]

OR (if Coding-II is not available)

[Security Access - 16]

Enter 40168, to enable the basic setting.

[Do it!]

[Basic Settings - 04]

Group 060

[Go!]

After a successful basic setting, field 2 should say "OK".

[Done, Go Back]

[Close Controller, Go Back - 06]

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

Lateral Acceleration Sensor (G200)

Prerequisites:

- System voltage at least 12.0 V.

[Select]

[03 - Brake Electronics]

[Measuring Blocks - 08]

Group 004

[Go!]

Check field 2, the value has to be between -1.5 and +1.5 m/s².

[Done, Go Back]

[Coding-II - 11]

OR (if Coding-II is not available)

[Security Access - 16]

Enter 40168, to enable the basic setting.

[Do it!]

[Basic Settings - 04]

Group 063

[Go!]

Activate the Basic Setting.

[ON/OFF/Next]

After a successful basic setting, field 2 should say "OK".

[Done, Go Back]

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

[Measuring Blocks - 08]

Group 004

[Go!]

Check field 2, the value has to be between -1.5 and +1.5 m/s².

[Done, Go Back]

[Close Controller, Go Back - 06]

Brake Pressure Sensor 1 (G201)

Prerequisites:

- System voltage at least 12.0 V.

[Select]

[03 - Brake Electronics]

[Measuring Blocks - 08]

Group 005

[Go!]

Check field 1, the value has to be between -8.0 and +8.0 bar.

[Done, Go Back]

[Coding-II - 11]

OR *(if Coding-II is not available)*

[Security Access - 16]

Enter 40168, to enable the basic setting.

[Do it!]

[Basic Settings - 04]

Group 066

[Go!]

Activate the Basic Setting.

[ON/OFF/Next]

After a successful basic setting, field 2 should say "OK".

[Done, Go Back]

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

[Measuring Blocks - 08]

Group 005

[Go!]

Check field 1, the value has to be between -3.8 and +3.8 bar.

[Done, Go Back]

[Close Controller, Go Back - 06]

Longitudinal Acceleration Sensor (G251)

Prerequisites:

- System voltage at least 12.0 V.

[Select]

[03 - Brake Electronics]

[Measuring Blocks - 08]

Group 004

[Go!]

Check field 4, the value has to be between -1.5 and +1.5 m/s².

[Done, Go Back]

[Coding-II - 11]

OR *(if Coding-II is not available)*

[Security Access - 16]

Enter 40168, to enable the basic setting.

[Do it!]

[Basic Settings - 04]

Group 069

[Go!]

Activate the Basic Setting.

[ON/OFF/Next]

After a successful basic setting, field 2 should say "OK".

[Done, Go Back]

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

[Measuring Blocks - 08]

Group 006

[Go!]

Check field 1, the value has to be between -1.5 and +1.5 m/s².

[Done, Go Back]

[Close Controller, Go Back - 06]

Tire Pressure Monitoring System Reset

Prerequisites:

- Ignition ON

[Select]

[03 - Brake Electronics]

[Basic Settings - 04]

Group 042

[Go!]

Activate the Basic Setting.

[ON/OFF/Next]

[Done, Go Back]

[Close Controller, Go Back - 06]

- The Tire Pressure Monitoring Lamp (K220) should blink.
- Now check the Tire Pressure and correct it if necessary.
- Press and Hold the Tire Pressure Monitoring Button (E492) **AND** the ASR/ESP Button (E256) for 2 Seconds.
- A short Tone should sound after pressing/holding these buttons for 2 Seconds and the blinking should change to a permanent lit Tire Pressure Monitoring Lamp (K220).
- The Reset is now done and as soon as you let the buttons go the Tire Pressure Monitoring Lamp (K220) should go OFF.

Special Procedures

System Function Test

See System Function Test

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