

# Coding list Golf 8

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German: [Link](#)

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# 1. Coding's

## 1.1 Tested:

### 1.1.1 Brake disk drying adjustment [SFD: yes]

Control unit 03 [Tested SW: 0135-0136]

Adjustments:

Brake\_disc\_dehydration:

Brake\_disc\_dehydration: medium (weak, medium, strong)

### 1.1.2 Adjust ESC settings [SFD: yes]

Control unit 03 [Tested SW: 0136]

Coding:

Byte 26

Bit 1-4

ASR off / ESC off:

Bit 1 disabled

Bit 2 disabled

Bit 3 enabled

Bit 4 disabled

Aktiviert  
 ASR aus  
 ESC aus

ASR off/ESC Sport:

Bit 1 disabled

Bit 2 enabled

Bit 3 disabled

Bit 4 disabled

Aktiviert  
 ASR aus  
 ESC Sport

ESC Sport/ESC off:

Bit 1 disabled

Bit 2 disabled

Bit 3 enabled

Bit 4 enabled

Aktiviert  
 ESC Sport  
 ESC aus

ASR off:

Bit 1 enabled

Bit 2 disabled

Bit 3 disabled

Bit 4 disabled

Aktiviert  
 ASR aus

ESC-Sport:

Bit 1 enabled

Bit 2 disabled

Bit 3 disabled

Bit 4 enabled

Aktiviert  
 ESC Sport

(ASR = Traction Control System)

### 1.1.3 Save Air-Care setting [SFD: no]

Control unit 08 [Tested SW: 0440-0531]

Adjustments:

Filtering\_interior\_air\_saving:

Filtering\_interior\_air\_saving:

not\_active

(Will not be stored)

depending\_on\_standing\_time

(Stored depending on standing time)

active

(Will be stored)

1.1.4 Automatically reduce seat heating to a lower level after a certain time [SFD: no]

Control unit 08 [Tested SW: 0440-0531]

Adjustments:

Time for seat heating power reduction Level 3 to level 2:

param\_Time\_for\_seat\_heating\_power\_reduction\_Level\_3\_to\_level\_2: 0 min  
 (From level **3** to level **2** after X minutes, adjust value as desired, 0 = off)

Time for seat heating power reduction Level 2 to level 1:

param\_Time\_for\_seat\_heating\_power\_reduction\_Level\_2\_to\_level\_1: 0 min  
 (From level **2** to level **1** after X minutes, adjust value as desired, 0 = off)

1.1.5 Save recirculation setting [SFD: no]

Control unit 08 [Tested SW: 0440-0531]

Adjustments:

Save air recirculation status at terminal 15 off:

Save air recirculation status at terminal 15 off:

Do\_not\_store  
 (Will not be stored)  
 resttime\_dependent\_storage  
 (Stored depending on standing time)  
 storing  
 (Will be stored)

1.1.6 Enable fan levels „gentle“, „medium“ and „intensive“ [SFD: no]

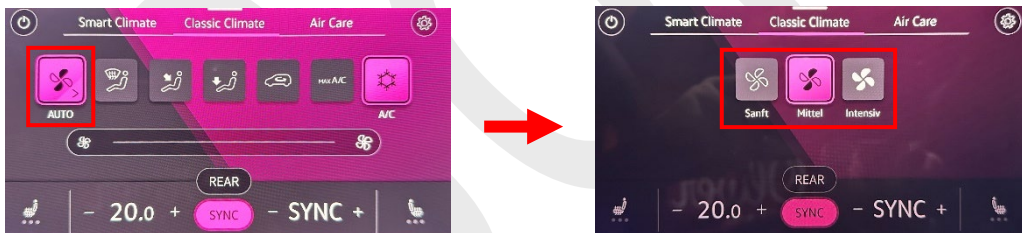
Control unit 08 [Tested SW: 0462-0531]

Adjustments:

Climate\_style:

Climate\_style:

display



1.1.7 Adjust seat heating temperatures [SFD: no]

Control unit 08 [Tested SW: 0531]

Adjustments:

Seat\_Heating\_Level\_Adaptation:

Seat_heating_stage_1_lower_threshold:	20,0 [UN]_°C	(stage 1)
Seat_heating_stage_1_upper_threshold:	20,5 [UN]_°C	(stage 1)
Seat_heating_stage_2_lower_threshold:	20,0 [UN]_°C	(stage 1)
Seat_heating_stage_2_upper_threshold:	20,5 [UN]_°C	(stage 1)
Seat_heating_stage_3_lower_threshold:	33,0 [UN]_°C	(stage 2)
Seat_heating_stage_3_upper_threshold:	33,5 [UN]_°C	(stage 2)
Seat_heating_stage_4_lower_threshold:	33,0 [UN]_°C	(stage 2)
Seat_heating_stage_4_upper_threshold:	33,5 [UN]_°C	(stage 2)
Seat_heating_stage_5_lower_threshold:	50,0 [UN]_°C	(stage 3)
Seat_heating_stage_5_upper_threshold:	50,5 [UN]_°C	(stage 3)
Seat_heating_stage_6_lower_threshold:	50,0 [UN]_°C	(stage 3)
Seat_heating_stage_6_upper_threshold:	50,5 [UN]_°C	(stage 3)

(Adjust values as desired. "lower" is the activation temperature, and "upper" is the deactivation temperature.)

1.1.8 Save seat heating settings [SFD: no]

Control unit 08 [Tested SW: 0440-0531]

Adjustments:

**Für die Fahrerseite:**

Seat heating level driver side, saving condition:

param\_Seat\_heating\_level\_driver\_side,\_saving\_condition: not\_active  
(Will not be stored)  
10\_minutes\_activ  
(Will be stored for 10 minutes)  
active  
(Last configuration will be stored)

**Für die Beifahrerseite:**

Seat heating level passenger side, saving condition:

param\_Seat\_heating\_level\_passenger\_side,\_saving\_condition: not\_active  
(Will not be stored)  
10\_minutes\_activ  
(Will be stored for 10 minutes)  
active  
(Last configuration will be stored)

1.1.9 Deactivate steering wheel heater permanently [SFD: no]

Control unit 08 [Tested SW: 0440-0531]

Coding:

Heated\_steering\_wheel\_and\_Heated\_steering\_wheel\_automatic\_mode: not\_installed

1.1.10 Change light functions based on light sensitivity [SFD: yes]

Control unit 09 [Tested SW: 0159-0161]

Adjustments:

Lighting\_Assist\_Adaptation:

Lichtsensorempfindlichkeit: normal (Adjust as desired)

1.1.11 Save high beam assistant settings (on ignition change) [SFD: yes]

Control unit 09 [Tested SW: 0159-0161]

Adjustments:

Fernlicht\_assistent:

Fernlichtassistent Reset: not\_active

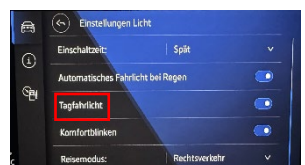
1.1.12 Activate adjustable daytime running lights in the car menu [SFD: yes]

Control unit 09 [Tested SW: 0159-0183]

Adjustments:

Tagfahrlicht:

Tagfahrlicht Aktivierung durch BAP oder Bedienfolge moeglich:



active

1.1.13 Dim ambient lighting to a higher level [SFD: yes]

Control unit 09 [Tested SW: 0159-0161]

Adjustments:

Suchbeleuchtung\_allgemein:

KL58 Einschalten mit Rampe: active

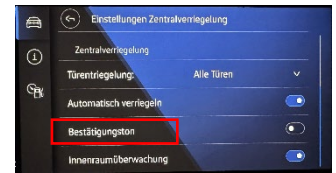
#### 1.1.14 Adjustable DWA acknowledgement ton in the car menu (lock and unlock) [SFD: yes]

Control unit 09 [Tested SW: 0159-0161]

Adjustments:

ZV Quittierungen:

Quittungston_hmi_einstellbar:	active
Quittierungston_bei_entriegeln:	active
Quittungs_ton_bei_verriegeln:	active



Only if there is no alarm system or acknowledgment tone through the horn:

Quittungston_ueber_hupe:	active
Quittierton_beim_zweiten_ZV_ZU_Befehl:	not_active

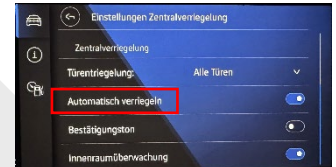
#### 1.1.15 Enable automatic central locking (while driving) in the car menu [SFD: yes]

Control unit 09 [Tested SW: 0159-0183]

Adjustments:

ZV\_Autolock:

ZV_autolock_autounlock_hmi:	adjustable
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#### 1.1.16 Deactivate warning sound when opening the door with ignition [SFD: yes]

Control unit 09 [Tested SW: 0159-0161]

Adjustments:

Clamp\_Control:

Ignition_Active_Message:	No_display
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#### 1.1.17 light strip (between the headlights) and Rear lights as daytime running lights [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

Tagfahrlicht:

Tagfahrlicht-Dauerfahrlicht aktiviert zusaetzlich Standlicht:	active
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#### 1.1.18 Deactivate rear windows wiper intermittent wipe function [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

Heckwischer\_steuerung:

Traenenwischen Heck:	not_active
----------------------	------------

#### 1.1.19 Automatic door unlocking when DSG is in park position [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

ZV\_Autolock

automatic_unlock_nar:	active
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#### 1.1.20 Adjust Coming Home Lights [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

BAP\_Funktionsstatus:

Coming_home_Leuchten:	Ablblendlicht or Nebellicht
-----------------------	-----------------------------

#### 1.1.21 Deactivate ignition active warning when the engine is running/door is open [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

Unterdrückung Zündungswarnung:

Ausgabe MoLaWa_AAW:	not_active
---------------------	------------

1.1.22 Switch central locking with key even when ignition is on [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

ZV allgemein:

Funk\_bei\_Kl15\_ein: active

1.1.23 Disable warning that the lights are turned off [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

Fahrlichthinweis:

Fahrlicht\_Hinweis\_mehrfach: not\_active

Fahrlichtwarnung\_Hinweis\_Konfig: kein\_Hinweis

1.1.24 Open Trunk with Vehicle Key [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

ZV Heck:

Direktauswurf\_heckdeckel: active

Note:

Trunk unlocked, and the latch opens. However, the tailgate does not pop open.

1.1.25 Adjust seat ventilation [SFD: yes]

Control unit 09 [Tested SW: 0161-0183]

Adjustments:

Sitzlüfterkennlinie:

Level\_1\_Sitz: 30 % (stage 1)

Level\_1\_Lehne: 30 % (stage 1)

Level\_2\_Sitz: 30 % (stage 1)

Level\_2\_Lehne: 30 % (stage 1)

Level\_3\_Sitz: 50 % (stage 2)

Level\_3\_Lehne: 50 % (stage 2)

Level\_4\_Sitz: 50 % (stage 2)

Level\_4\_Lehne: 50 % (stage 2)

Level\_5\_Sitz: 75 % (stage 3)

Level\_5\_Lehne: 75 % (stage 3)

Level\_6\_Sitz: 80 % (stage 3)

Level\_6\_Lehne: 80 % (stage 3)

1.1.26 Comfort opening of windows via door handles [SFD: yes]

Requirement: Door handles with built-in sensors (Kessy)

Control unit 09 [Tested SW: 0183]

Adjustments:

Kessyfunktion:

Komfortbedienung\_fh\_oeffnen\_ueber\_kessy active

ZV Komfort\_Fensterheber:

Komfortbedienung\_fh\_oeffnen\_ueber\_sz active

Komfort\_oeffnen

active

Control unit B7 [Testet SW: 0725] [Login Code: 10587]

Adjustments:

Passive\_Komfort:

Passive\_Komfort\_Oeffnen\_aktiv: activated

Passive\_Komfort\_Togglen\_aktiv: activated

1.1.27 Parking lights on both sides [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

Standlicht:

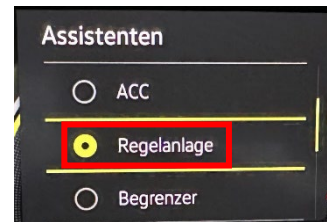
Parklicht ueber LSS aktiviert: dual sided

1.1.28 Activate cruise control (No distance regulation) [SFD: no] [Login Code: 20103]

Control unit 13 [Tested SW: 0395]

Coding:

Cruise\_control\_mode: activated



1.1.29 Disable prevention of overtaking on the right (ACC) [SFD: no] [Login Code: 20103]

Control unit 13 [Tested SW: 0395]

Coding:

Overtaking\_right\_prevention: deactivated

1.1.30 Adjust ACC 1 km/h increments [SFD: no] [Login Code: 20103]

Control unit 13 [Tested SW: 0395]

Coding:

Operation\_mode: Operation\_mode\_2

(Tap +/- 1 km/h, press a little longer for +/- 10 km/h)

1.1.31 Change max speed of the speedometer [SFD: yes]

Control unit 17 [Tested SW: 3460-3470]

Adjustments:

Speedometer\_final\_value:

Speedometer\_final\_value: variant\_0 = 260km/h  
variant\_1 = 280 km/h  
variant\_2 = 240 km/h  
variant\_3 = 300 km/h  
variant\_4 = 320 km/h

1.1.32 Customize logo in the AID (Active Info Display) [SFD: no]

Control unit 17 [Tested SW: 3460-3470]

Adjustments:

Logo:

logo: no\_Logo = no logo



Logo\_1 = R



Logo\_2 = R-Line



Logo\_3 = GTE



Logo\_4 = GTI



Logo\_5 = GTD

Some logos only appear in the Golf 8 R view starting from a speedometer with part number 5H0920340B!

1.1.33 Additional view in the AID (Active Info Display) [SFD: no]

Control unit 17 [Tested SW: 3460-7380]

Adjustments:

Unlock\_views:

view\_6:

active



1.1.34 Golf 8 GTE (Hybrid) view in the AID (Active Info Display) [SFD: no]

Control unit 17 [Tested SW: 3460-7380]

Adjustments:

Unlock\_views:

view\_7:

active



1.1.35 Golf 8 GTI view in the AID (Active Info Display) [SFD: no]

Control unit 17 [Tested SW: 1400-7380]

Adjustments:

Unlock\_views:

view\_8:

active



1.1.36 Golf 8 R view in the AID (Active Info Display) [SFD: no]

Control unit 17 [Tested SW: 3460-7380]

Adjustments:

unlock\_views:

view\_9:

active



1.1.37 Off-road view in the AID (Active Info Display) [SFD: no]

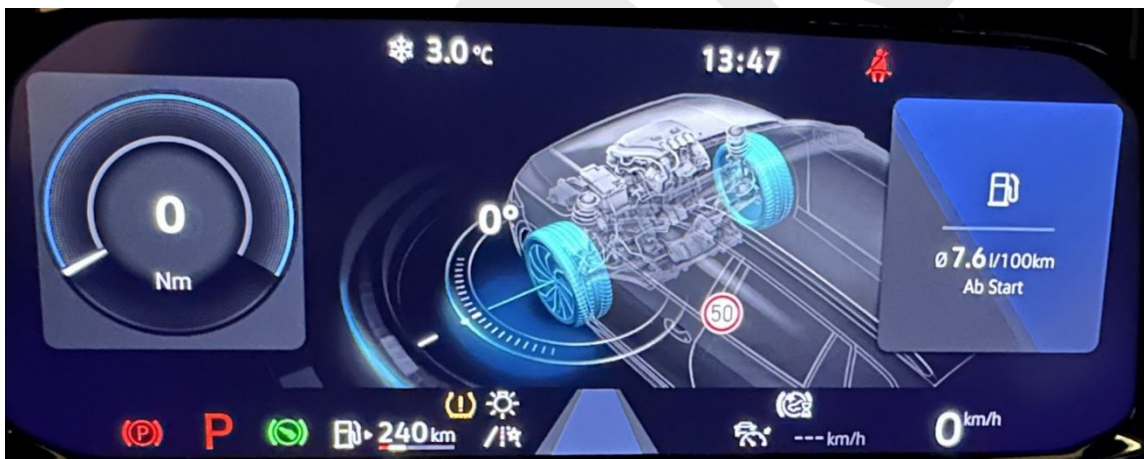
Control unit 17 [Tested SW: 3460-3470] **5H0920340 - 5H0920340B**

Adjustments:

Unlock\_views:

view\_10:

active



From part number **5H0920340C** [Tested SW: 7360-7380]



1.1.38 Activate steering angle display in the AID info window [SFD: **yes**]

Control unit 17 [Tested SW: 3460-3470]

Adjustments:

Offroad:

Offroad:

yes

(May need to be activated in the AID menu)



1.1.39 Activate boost pressure display in the AID info window [SFD: **yes**]

Control unit 17 [Tested SW: 1400-7380] (not GTE)

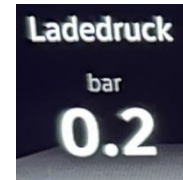
Adjustments:

Displayable\_content\_configuration:

Boost\_Pressure:

active

(May need to be activated in the AID menu)



1.1.40 Activate G-force display in the AID info display window [SFD: **yes**]

Control unit 17 [Tested SW: 3460-7380]

Adjustments:

Displayable\_content\_configuration:

G\_Meter:

active

(May need to be activated in the AID menu)



1.1.41 Activate torque display in the AID info display window [SFD: **yes**]

Control unit 17 [Tested SW: 1400-7380] (not GTE)

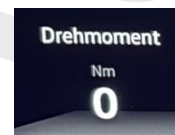
Adjustments:

Displayable\_content\_configuration:

Engine\_Torque:

active

(May need to be activated in the AID menu)



1.1.42 Activate engine power display in the AID info display [SFD: **yes**]

Control unit 17 [Tested SW: 1400-7380] (not GTE)

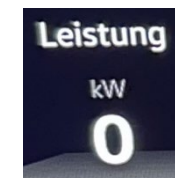
Adjustments:

Displayable\_content\_configuration:

Engine\_Power:

active

(May need to be activated in the AID menu)



1.1.43 Activate transmission temperature display in the AID info window [SFD: **yes**]

Control unit 17 [Tested SW: 3460-7380]

Adjustments:

Displayable\_content\_configuration:

Transmission\_Temperature:

active

(May need to be activated in the AID menu)



1.1.44 Lap timer with lap counter [SFD: **yes**]

Control unit 17 [Tested SW: 3460-3470]

Coding:

Laptimer:

yes

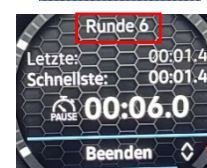
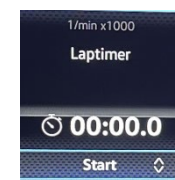
Lap counter in conjunction with the lap timer:

Adjustments:

Displayable\_content\_configuration:

Laptimer:

active



1.1.45 Activate refuelling amount in the AID (Active Info Display) [SFD: no]

Control unit 17 [Tested SW: 1400-7380]

Coding:

Refuel\_volume: yes  
(May need to be activated in the AID menu)



1.1.46 Compass Display in the AID Info Window [SFD: no]

Control unit 17 [Tested SW: 1400-7380]

Coding:

navigation\_compass: yes



1.1.47 Disable beeping when engaging reverse gear (DSG in „R“) [SFD: no]

Control unit 17 [Tested SW: 3460-3470]

Adjustments:

Acoustics\_driving\_position\_R:  
Acoustics\_driving\_position\_R: not\_active

(Only works after ignition change, apparently no longer with newer software versions)

1.1.48 Disable animation when switching AID displays [SFD: yes]

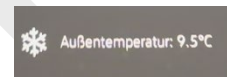
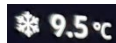
Control unit 17 [Tested SW: 3470]

Adjustments:

Locking\_display\_content:  
Locking\_decoration\_animation: yes

1.1.49 Change outside temperature warning threshold in the AID (Active Info Display) [SFD: no]

Control unit 17 [Tested SW: 3460-3470]



Adjustments:

outside\_temperature:  
p\_ice\_warning\_exit\_temperature: 6° (Adjust as desired, maximum 10°C)  
p\_ice\_warning\_entry\_temperature: 4° (Adjust as desired, maximum 10°C)  
p\_storage\_time\_engine\_off: 180 (Adjust as desired, Warning appears again after restarting the engine)

1.1.50 Deactivate seatbelt warning [SFD: yes]

Control unit 17 [Tested SW: 1400-7380]

Adjustments:

Deactivate\_belt\_warning:  
State: yes

1.1.51 Deactivate start-stop system [SFD: yes]

Control unit 19 [Tested SW: 7084-7312]

Adjustments:

Slave\_component\_list:  
Battery Monitoring Control Module: no

Notice:

Does not work on vehicles with a 45V electrical system.

Also, an error remains in the gateway:

„Subsystem multiple plug identified“

No error message appears in the AID or infotainment system.

### 1.1.52 Automatic opening/closing of windows when opening/closing door [SFD: no]

Control unit 42 [Tested SW: 0330-0350]

Coding:

short\_drop: active

Control unit 52 [Tested SW: 0330-0350]

Coding:

short\_drop: active

### 1.1.53 Activate puddle lights when the mirrors are folded in [SFD: no]

Control unit 42 [Tested SW: 0330]

Coding:

turn\_off\_front\_field\_light\_with\_folded\_mirror: not\_active

Control unit 52 [Tested SW: 0330]

Coding:

turn\_off\_front\_field\_light\_with\_folded\_mirror: not\_active

### 1.1.54 Activate acceleration measurement 0-100km/h, 80-120km/h and 1/4 mile [SFD: yes]

Control unit 4B [Tested SW: 1447]

Coding:

Function\_activation\_speed\_up\_measuring: activated

Speed\_up\_measuring\_0\_to\_100\_km\_per\_h: activated

Speed\_up\_measuring\_80\_to\_120\_km\_per\_h: activated

Time\_measuring\_for\_0\_to\_QuarterMile: activated

Control unit 17 [Tested SW: 5350-7380]

Adjustments:

Displayable\_content\_configuration:

Acceleration\_measurement: display



**Attention:** It only works with a speedometer with part number 5H0920340B  
A basic adjustment of the matrix LED headlights may be necessary!

### 1.1.55 IQ-Light presentation on engine start [SFD: yes]

Control unit 4B [Tested SW: 1447]

Adjustments:

Präsentationslauf\_dynamisches\_Kurvenlicht:

Präsentationslauf\_dynamisches\_Kurvenlicht: aktiv

Reference\_Run\_Start\_Condition:

Reference\_Run\_Start\_Condition: Motorstart (Alternatively, "Klemme 15" when turning on the ignition)

Reference\_Run\_Activation\_Effect:

par\_Reference\_Run\_Activation\_Effect: Activation effect enabled by mtor start

**Note:**

The control unit must first be unlocked using SFD.

Only for vehicles equipped with IQ-Light.

1.1.56 Driving instructor mode [SFD: **yes**]

Control unit 5F [Tested SW: 1899-1969]

Adjustments:

Car\_Function\_Adaptations:

menu\_display\_driving\_school\_over\_threshold\_high:

menu\_display\_driving\_school:

activated

activated



1.1.57 Enable/Disable Harman/Kardon logo in the MIB3 boot logo [SFD: **yes**]

Control unit 5F [Tested SW: 1941]

Adjustments:

Startup\_Screen\_Sticker\_HMI:

Startup\_Screen\_Sticker\_HMI: 3

(0 = no logo, 3 = Harman/Kardon logo)



Golf 8 R boot logo



Golf 8 GTI boot logo



Standard VW boot logo

1.1.58 Adjust MIB3 boot logo [SFD: **yes**]

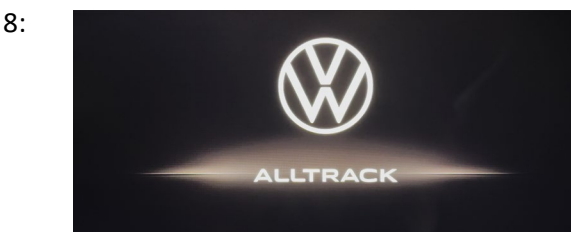
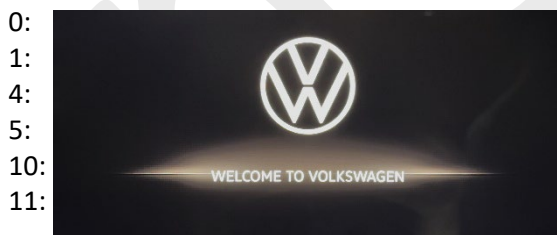
Control unit 5F [Tested SW: 1941]

Adjustments:

function\_configuration\_hmi:

screenings: 3

(0 = VW, 2= GTD, 3 = GTI, 6 = R, 7 = R-Line, 8 = Alltrack)



1.1.59 Disable login screen/user functions from the HMI [SFD: yes]

Control unit 5F [Tested SW: 1969]

Adjustments:

function\_configuration\_pso:  
iaa\_function: not activated

Note: All user functions will be deactivated, no shop, no updates.

1.1.60 Enable Comp Improve Sound Quality without Harman/Kardon Sound System [SFD: yes]

Control unit 5F [Tested SW: 1941-1969]

Adjustments:

function\_configuration\_sound:  
brand\_sound: Beats

Note: Whether the sound quality is truly better here is debatable. I have the impression that the bass is a bit more intense here.

1.1.61 Deactivation of input blocking during driving in the navigation system [SFD: yes]

Control unit 5F [Tested SW: 1803-1969]

Adjustments:

Disabled\_menu\_contents:  
FB\_MEDIA\_19: non\_blocked  
FB\_MISC\_14: non\_blocked  
FB\_MISC\_19: non\_blocked  
FB\_MISC\_18: non\_blocked  
FB\_MISC\_31: non\_blocked  
FB\_MISC\_29: non\_blocked  
FB\_MISC\_25: non\_blocked  
FB\_MISC\_33: non\_blocked  
FB\_MISC\_44: non\_blocked  
FB\_MISC\_41: non\_blocked

1.1.62 Navigation map on both AID and infotainment display simultaneously [SFD: yes]

Control unit 5F [Tested SW: 1803-1969]

Adjustments:

Dashboard\_Display\_Configuration:  
ability\_switch\_nav\_maps: no  
navigation\_map\_compression\_mode: H264  
navigation\_map\_resolution: 1  
navigation\_map\_transmission\_mode: IP\_streaming

Alternatively:  
navigation\_map\_resolution: 2  
navigation\_map\_transmission\_mode: MOST\_High

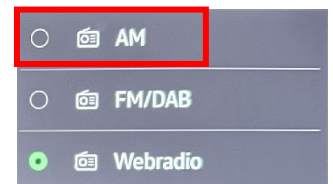
(Works only after restarting the infotainment system)

1.1.63 Enable/Disable AM Frequency Band in the Radio [SFD: yes]

Control unit 5F [Tested SW: 1941-1969]

Adjustments:

function\_configuration\_radio:  
AM\_disable: deactivated



1.1.64 Adjust lane-keeping assistant intervention point [SFD: no]

Control unit A5 [Tested SW: 3129-3405]

Coding:

Point_of_intervention:	early	(intervenes early)
	late	(intervenes late)
	early_setting_over_menu	(Intervenes early, no settings in the menu)
	late_setting_over_menu	(Intervenes late, no settings in the menu)

1.1.65 Save lane-keeping assistant settings (on ignition change) [SFD: no]

Control unit A5 [Tested SW: 3129-3405]

Coding:

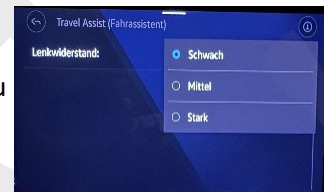
Configuration_for_lane_departure_warning_Kl15:	last_setting
--	--------------

1.1.66 Steering resistance adjustable via the Car Menu while Travel-Assist is active [SFD: no]

Control unit A5 [Tested SW: 3129-3405]

Coding:

HC_Warn_Intensity:	Setting_over_menu
--------------------	-------------------



1.1.67 Adjust or deactivate engine sound generator [SFD: no]

Control unit A9 [Tested SW: 0001]

Adjustments:

Loudness_actuator_for_structure_borne_sound:	0-100% (0 = off, 1-100% = volume)
--	-----------------------------------

1.1.68 Adjust start button illumination [SFD: no] [Login Code: 10587]

Control unit B7 [Tested SW: 0725]

Adjustments:

DevCod_Search lights:	
Suchbeleuchtung_ZAT_Beleuchtung_SES_Variante_aktiv:	activated (LED = dim) not_activated (LED = bright)
Suchbeleuchtung_ZAT_SES_Mode:	activated (LED flashing) not_activated (LED = on)

1.1.69 Comfort open-close sunroof with remote control [SFD: no]

Control unit CA [Tested SW: 0040]

Adjustments:

Control_unit_for_sun_roof_convenience_functions:	
Convenience_opening_target_attitude:	sliding_position

1.1.70 Maintain sunroof tilt angle while driving [SFD: no]

Control unit CA [Tested SW: 0040]

Adjustments:

Speed_dependent_control:	
Sliding_sunroof_reduce_tilting_position:	not_active

## 1.2 Untested:

### 1.2.1 Activate Auto-Hold and related messages [SFD: **yes**]

Control unit 03 [Tested SW: 0136]

Coding:

Byte 21            Bit 6 **enable**

**For the notification in the AID:**

Byte 22            Bit 2 **enable** (Message: "Auto hold deactivated")  
                     Bit 5 **enable** (Green symbol for "Auto hold" in AID)  
                     Bit 6 **enable**

### 1.2.2 Adjust Blower Tuning [SFD: **no**]

Control unit 08 [Tested SW: from 0531]

Adjustments:

Blower\_characteristic:

Blower\_characteristic:            normal tuning (**standard**)  
   tuning with little air (**weaker**)  
   tuning with more air in cooling operation (**stronger**)

### 1.2.3 Deactivate online unlocking of the central locking [SFD: **yes**]

Control unit 09 [Tested SW: 0161]

Adjustments:

OCU:

Remote\_Unlock\_Lock:            not\_active

### 1.2.4 Keep lights off as it gets dark [SFD: **yes**]

Control unit 09 [Tested SW: 0161]

Adjustments:

Licht\_bedienung:

LTM\_BGL\_Wegabhängig:            not\_active  
LTM\_BGL\_Geschwindigkeitsabhängig:    not\_active  
LTM\_BGL\_Geschwindigkeitsabhängig\_Parameter:    not\_active  
LTM\_GlobalOFF\_Wegabhängig:            not\_active  
LTM\_GlobalOFF\_Geschwindigkeitsabhängig:    not\_active  
LTM\_GlobalOFF\_Geschwindigkeitsabhängig\_Parameter:    not\_active  
Beleuchtung\_LTM\_Auto\_LED\_58xt\_logik:    not\_active  
Beleuchtung\_Auto\_LED\_bei\_Nebelfunktion:    not\_active

### 1.2.5 Activate opening the tailgate with the foot when the ignition is on [SFD: **yes**]

Control unit 09 [Tested SW: from 0174]

Adjustments:

Easy Open:

Virtuelles\_Pedal\_Aktiv\_KI\_15:            activated

**Note:**

**Only from model year 2022, only Variant with electric tailgate.**

### 1.2.6 Activate foot opening of the tailgate with the engine running [SFD: **yes**]

Control unit 09 [Tested SW: from 0174]

Adjustments:

Easy Open:

Virtuelles\_Pedal\_Aktiv\_Motorlauf:            activated

**Note:**

**Only from model year 2022, only Variant with electric tailgate.**

### 1.2.7 30 ambient colours [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

Interior\_light\_general\_settings:

Automatic\_ambiance\_lighting\_with\_fpa active

Interior\_light\_hmi\_config:

Hmi_ambient_colors_bitmask	45140AD
Hmi_contour_colors_bitmask	45140AD
Hmi_ambient_colors_fod_bitmask	3FFFFFFF
Hmi_contour_colors_fod_bitmask	3FFFFFFF
Hmi_setup_set_1	13
Hmi_setup_set_2	7
Hmi_setup_set_3	15
Hmi_setup_set_4	5
Hmi_setup_members_set_1_byte_2	1C
Hmi_setup_members_set_2_byte_3	60
Hmi_setup_members_set_3_byte_3	10
Hmi_setup_members_set_4_byte_1	C
Hmi_setup_members_multi_color_byte_1	C
Hmi_setup_members_multi_color_byte_2	1C
Hmi_setup_members_multi_color_byte_3	70
Hmi_config_member_center_color_scheme_1	3
Hmi_config_member_center_bottom_color_scheme_1	3
Hmi_config_member_bottom_color_scheme_1	3
Hmi_config_member_center_color_scheme_3	3
Hmi_config_member_center_bottom_color_scheme_3	2
Hmi_config_member_bottom_color_scheme_3	2
Hmi_config_member_center_color_scheme_6	3
Hmi_config_member_center_bottom_color_scheme_6	2
Hmi_config_member_bottom_color_scheme_6	3
Hmi_config_member_center_color_scheme_8	3
Hmi_config_member_center_bottom_color_scheme_8	3
Hmi_config_member_bottom_color_scheme_8	2
Hmi_menu_ambiance_lighting	active
Hmi_ambiance_color	active
Hmi_contour_color	active
Hmi_ambiance_profile_1	active
Hmi_ambiance_profile_2	active
Hmi_ambiance_profile_3	active
Hmi_ambiance_profile_4	active
Hmi_ambiance_profile_5	active
Hmi_ambiance_profile_6	active
Hmi_ambiance_profile_7	active
Hmi_ambiance_profile_8	active
Hmi_fpa_dependency	active
Hmi_functional_ambiance_lighting	active
Hmi_play_of_colors	active
Hmi_Display_Color_light_function	1

Interior\_light\_router\_config:

Output_lin5_light_function_slave_3	7
Output_lin5_light_function_slave_4	8
Output_lin5_light_function_slave_8	17
Output_lin5_light_function_slave_9	18
Output_lin5_light_function_slave_11	4
Output_lin5_light_function_slave_12	5

Output_lin9_light_function_slave_2	D
Output_lin9_light_function_slave_3	E
Output_lin9_light_function_slave_6	12
Output_lin9_light_function_slave_7	12
Output_lin10_light_function_slave_3	9
Output_lin10_light_function_slave_4	A
Output_lin10_light_function_slave_8	19
Output_lin10_light_function_slave_9	1A
Output_lin10_light_function_slave_11	4
Output_lin10_light_function_slave_12	5

Interior\_light\_functions\_1\_to\_70:

Light_function_1	active
Light_function_4	active
Light_function_5	active
Light_function_7	active
Light_function_8	active
Light_function_9	active
Light_function_10	active
Light_function_13	active
Light_function_14	active
Light_function_18	active
Light_function_23	active
Light_function_24	active
Light_function_25	active
Light_function_26	active

1.2.8 Change the ambient colour assignment for the driving profiles [SFD: **yes**]

Control unit 09 [Tested SW: 0161]

Adjustments:

Interior\_light\_general\_settings:

Mapping_fpa_profile_1 (Light blue)	1	(1 = Profil „Comfort“)
Mapping_fpa_profile_2 (Blue)	5	(3 = Profil „Sport“)
Mapping_fpa_profile_3 (Red)	3	(4 = Profil „Offroad“)
Mapping_fpa_profile_4 (Lime)	4	(5 = Profil „Eco“)
Mapping_fpa_profile_5 (Violet)	2	(6 = Profil „Race“)
Mapping_fpa_profile_6 (Yellow)	7	(7 = Profil „Individual“)
		(10 = Profil „Drift“)
		(11 = Profil „Nürburgring“)

1.2.9 Enable rear windshield wiper activation automatically [SFD: **yes**]

Control unit 09 [Tested SW: 0161]

Adjustments:

Heckwischer\_steuerung:

Automatisches Heckwischen:	active
Komfortwischen Heck Intervallpausenzeit Stufe Automatik:	7 [UN]_s (Alter as desired)

1.2.10 Change timing of upcoming service notification [SFD: **no**]

Control unit 17 [Tested SW: 3470]

Adjustments:

Service\_early\_warning\_in\_days:

time: 30d (Adjust as desired)

1.2.11 Allow connecting multiple smartphones [SFD: **yes**]

Control unit 5F [**Tested SW: 1941**]

Adjustments:

function\_configuration\_phone:

Support\_second\_phone: **none (one, two, three)**

1.2.12 Disable restrictions with Android Auto [SFD: **yes**]

Control unit 5F [**Tested SW: 1969**]

Adjustments:

nhtsa\_properties:

nhtsa\_limitation\_switches\_for\_androidauto\_no\_video\_playback: not activated

nhtsa\_limitation\_switches\_for\_androidauto\_no\_text\_input: not activated

nhtsa\_limitation\_switches\_for\_androidauto\_no\_setup\_configuration: not activated

nhtsa\_limitation\_switches\_for\_androidauto\_limit\_displayed\_message\_length: not activated

n3oka

### 1.3 No function or changes:

#### 1.3.1 Display ventilation level in „Auto“ mode [SFD: no]

Control unit 08 [Tested SW: 0440-0531]

Adjustments:

Blower display during auto mode:

Blower display during auto mode: activated

(No changes to the display in the climate menu are noticeable)

#### 1.3.2 Deactivate light strip (between the headlights) [SFD: yes]

Control unit 09 [Tested SW: 0159-0161]

Adjustments:

Until model year CW48 2020:

Leuchte 2 SL VL B20:

Lasttyp 2: not\_active

Lampendefektbitposition 2: 0

Fehlerort mittleres Byte DTC-DFCC 2: 0

Lichtfunktion A 2: not\_active

Dimmwert ABC 2: 0

Lichtfunktion D 2: not\_active

Dimmwert DEF 2: 0

Leuchte 3 SL VR B32:

Lasttyp 3: not\_active

Lampendefektbitposition 3: 0

Fehlerort mittleres Byte DTC-DFCC 3: 0

Lichtfunktion A 3: not\_active

Dimmwert ABC 3: 0

Lichtfunktion D 3: not\_active

Dimmwert DEF 3: 0

From model year CW48 2020:

Leuchte 31 AMBL 1 C61:

Lasttyp 31: not\_active

Lampendefektbitposition 31: 0

Fehlerort mittleres Byte DTC-DFCC 31: 0

Lichtfunktion A 31: not\_active

Dimmwert ABC 31: 0

Lichtfunktion D 31: not\_active

Dimmwert DEF 31: 0

Leuchte 32 AMBL 2 C35:

Lasttyp 32: not\_active

Lampendefektbitposition 32: 0

Fehlerort mittleres Byte DTC-DFCC 32: 0

Lichtfunktion A 32: not\_active

Dimmwert ABC 32: 0

Lichtfunktion D 32: not\_active

Dimmwert DEF 32: 0

(Anchored in dataset 09 -> Block 7203)

1.3.3 Make the turn signals flash when locking and unlocking the vehicle [SFD: **yes**]

Control unit 09 [Tested SW: 0159-0161]

Adjustments:

Dynamisch Blinken:

ZV\_Blinken\_zu:

active (oder not\_active für deaktiviert)

ZV\_Blinken\_auf:

active (oder not\_active für deaktiviert)

(No changes recognizable)

1.3.4 Adjust coming home and leaving home [SFD: **yes**]

Control unit 09 [Tested SW: 0159-0161]

Adjustments:

Coming-Home\_and\_Leaving-Home:

Menueeinstellung CHO LHO:

Menuesteuerung aktivieren

Coming-Home\_and\_Leaving-Home:

Menueeinstellung Leaving-home Zeit per BAP:

10 seconds (bis 90 sec)

Menueeinstellung Cominghome:

10 seconds (bis 90 sec)

Menueeinstellung Cominghome bei Tag:

10 seconds (bis 90 sec)

Menueeinstellung Leaving-home bei Tag:

10 seconds (bis 90 sec)

(No changes recognizable)



1.3.5 Coming home and leaving home also during the day (light switch position on "Auto") [SFD: **yes**]

Control unit 09 [Tested SW: 0159-0161]

Adjustments:

Coming-Home\_and\_Leaving-Home:

Tagfahrlicht mit CHO bei Tag in Stellung AUTO:

active

Tagfahrlicht mit LHO bei Tag in Stellung AUTO:

active

(No changes recognizable)

1.3.6 Adjust automatic activation temperatures of the steering wheel heater [SFD: **yes**]

Control unit 09 [Tested SW: 0161]

Adjustments:

LIN-SMLS\_konfig\_1:

k\_i\_offset: 4 [UN]\_°C (Below 4°C is considered cold, for example)

(Cannot be coded)

1.3.7 Deactivate daytime running lights when the parking brake is engaged [SFD: **yes**]

Control unit 09 [Tested SW: 0161]

Adjustments:

Tagfahrlicht:

Tagfahrlicht Dauerfahrlicht bei Handbremse abschalten:

active

(No changes recognizable)

1.3.8 Automatically close open windows when locking the vehicle [SFD: **yes**]

Control unit 09 [Getestet SW: 0161]

Adjustments:

ZV Komfort\_Fensterheber:

Komfortschliessen\_Brasilien not\_active

BAP\_komfortschließen\_brasilien not\_active

1.3.9 Automatic locking (if forgetting to lock the car) [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

Automatische\_Funktionen:

Automatisches\_Entriegeln\_aktiv: activated  
Automatisches\_Verriegeln\_aktiv: activated  
AutomatischeFunktionen\_Beschleunigtes\_Entry\_aktiv: activated  
Automatik\_Funktionen\_Warnungen\_aktiv: activated  
AutomatikFunktionen\_WarnungWenn\_VerlassenBeiHautNichtGeschlossen\_aktiv: activated  
AutomatikFunktionen\_WarnungWennIDGeberImInnenraum\_aktiv: activated

DevCod\_Automatische\_Verriegelung:

Klemme 15 Verhalten der Funktion Automatische Verriegelung Function only allowed for terminal 15 on or off  
AutomatikFunktionen\_Sonderfall\_ZyklischeSucheBeiKlemme15\_aktiv: activated  
Automatische\_FunktionBeiAnnaeherung\_Entfernung\_aktiv: activated

DevCod\_Nutzerkonfigurationen:

HMIMenue\_Aktivierung\_Nah\_Mittel\_Fern\_aktiv: activated

Kessyfunktion:

Verriegeln\_ueber\_Toggle\_nur\_bei\_Aussenhaut\_geschlossen: active

Control unit B7 [Testet SW: 0725] [Login Code: 10587]

Adjustments:

Passive\_Komfort:

Passive\_Komfort\_Oeffnen\_aktiv: activated  
Passive\_Komfort\_Togglen\_aktiv: activated

DevCod\_AutomatischeFunktionen:

Slowpolling\_Rechtecksignal\_Aktiv: activated

Only from a BCM index M and a modification of the dataset



1.3.10 Curve assistant adjustable in the car menu for ACC [SFD: no] [Login Code: 20103]

Control unit 13 [Tested SW: 0395]

Coding:

Curve\_assistent\_CarMenu: activated

(No changes recognizable)

1.3.11 Speed limiter adjustable in the car menu for ACC [SFD: no] [Login Code: 20103]

Control unit 13 [Tested SW: 0395]

Coding:

Speed\_limit\_assistent\_CarMenu: activated

(No changes recognizable)

1.3.12 Torque distribution display in the AID info window [SFD: yes]

Control unit 17 [Tested SW: 3460-3470]

Adjustments:

Displayable\_content\_configuration:

Torque\_Distribution: active

(Display is present, but no functionality recognizable, probably only on Golf R)



1.3.13 Display driving profile in the AID (Active Info Display) [SFD: yes]

Control unit 17 [Tested SW: 3460-3470]

Adjustments:

Displayable\_content\_configuration:

Display\_FPA: display

(No changes recognizable)

1.3.14 Extended scales in the speedometer [SFD: no]

Control unit 17 [Tested SW: 3460-3470]

Coding:

Tachometer\_erweiterte\_Skalenteilung: yes

(No changes recognizable)

1.3.15 Deactivate easy entry [SFD: no]

Control unit 36 [Getestet SW: 0362]

Coding:

Enabling\_EasyEntry\_front\_seat\_by\_BCM not\_active

Note:

It disables the function for the driver and passenger seats. Also, the setting option in the HMI is deactivated.

(No changes recognizable)

### 1.3.16 GPS Lap timer [SFD: yes]

Control unit 4B [Tested SW: 1447]

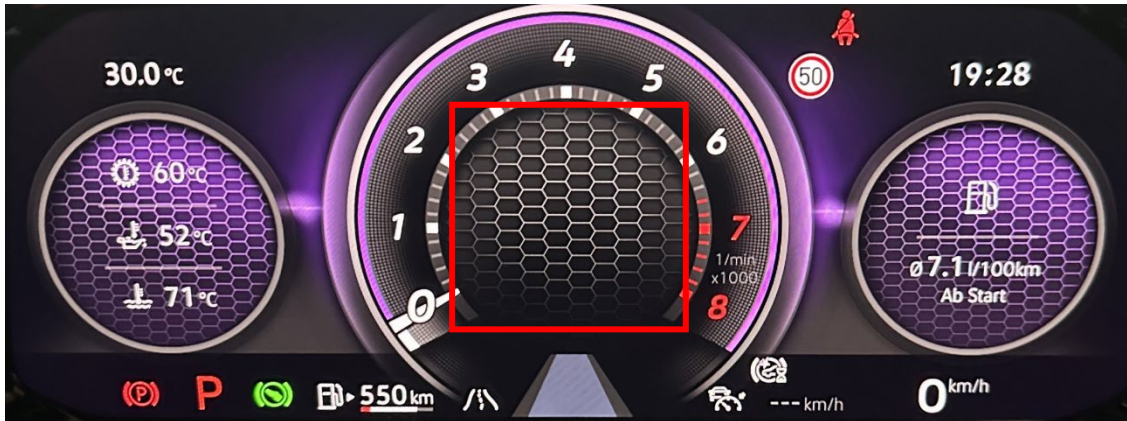
Coding:

Gps_laptimer_round_route:	not_activated
Gps_laptimer_distance_route:	not_activated



(DO NOT CODE, otherwise you will have a blank display and won't be able to exit the menu!)

Tested with an instrument cluster 5H0920340A SW 3470



If you have coded it despite the warning, the automatic key assignment must be deactivated. To do this, go to the infotainment system, select "User -> Setup -> Automatic Key Assignment," and disable this feature. After that, restart the MIB, either by holding the "Power" button for about 20 seconds or locking the vehicle and waiting for 15 minutes.

If key assignment is still needed:

1. Re-enable the key assignment.
2. Lock the vehicle with key 1.
3. Unlock the vehicle with key 1.
4. Select the user.
5. Lock the vehicle with key 1 and wait for 15 minutes.
6. Repeat the same process with key 2.

### 1.3.17 Display images from USB stick [SFD: yes]

Control unit 5F [Tested SW: 1899-1941]

Adjustments:

function_configuration_media:	
picture_viewer:	on

(Cannot be successfully coded)

### 1.3.18 Off-road monitor in the HMI [SFD: yes]

Control unit 5F [Tested SW: 1941]

Adjustments:

Car_Function_Adaptations:	
menu_display_compass_over_threshold_high:	activated
menu_display_compass:	activated

Car_Function_List_BAP:	
compass_0x15_msg_bus:	Databus_Infotainment
compass_0x15:	activated

(Cannot be coded)

### 1.3.19 Welcome tone [SFD: yes]

Control unit 5F [Tested SW: 1899-1941]

Adjustments:

function_configuration_audio:	
welcome_sound:	on
function_configuration_sound:	
vehicle_leaving_sound:	activated
vehicle_readiness_sound:	activated

Control unit 47 [Tested SW: 4319]

Adjustments:

function_configuration_audio:	
welcome_sound:	on

(No changes recognizable)

### 1.3.20 Connect Bluetooth headphones [SFD: yes]

Control unit 5F [Tested SW: 1941]

Adjustments:

function_configuration_connectivity:	
Bluetooth_Headphones:	available

(Cannot be coded)

### 1.3.21 Enable garage door opener [SFD: yes]

Control unit 09 [Tested SW: 0161]

Adjustments:

UGDO:	
ugdo_transmitter:	installed
ugdo_via_mmi_configurable:	active

Control unit 5F [Tested SW: 1941]

Adjustments:

Car_Function_List_BAP:	
UGDO_0x14_msg_bus:	activated
UGDO_0x14:	clamp_15
Car_Function_Adaptations:	
menu_display_ugdo_over_threshold_high:	activated
menu_display_ugdo:	activated

### 1.3.22 Disable user selection (privacy always active) [SFD: yes]

Control unit 5F [Tested SW: 1969]

Adjustments:

privacy_mode:	
supress_privacy_mode:	active

(It shows only a globe in the menu bar; the second icon no longer appears. No idea what else is happening in the background.)

### 1.3.23 Lane-keeping assist intervention point adjustable in the car menu [SFD: no]

Control unit A5 [Tested SW: 3129-3405]

Coding:

Point_of_intervention:	early_setting_over_menu
------------------------	-------------------------

(No changes recognizable)

1.3.24 Activate lane-keeping assist below 60km/h [SFD: no]

Control unit A5 [Tested SW: 3129-3405]

Coding:

Hc\_variante:

(No function below 60km/h)

Variante\_1

1.3.25 Display lap timer on the head-up display [SFD: no]

Control unit 82 [Tested SW: 2032]

Adjustments:

Laptimer:

(No function recognizable in the head-up display)

yes

n3oka

## 2 Retrofits

### 2.1 RDKS [SFD: **yes**]

Complete instructions: [https://drive.google.com/file/d/1DpJ\\_xrEczTPKrVsqrkWgNaY7Tsk2JYeo/view](https://drive.google.com/file/d/1DpJ_xrEczTPKrVsqrkWgNaY7Tsk2JYeo/view)

Coding:

Control unit 19 (Gateway) [SFD: **yes**] [Tested SW: 7083-7084]

Adjust installation list and **add** control unit with number 65 (tire pressure monitoring system)

Control unit 03 (ABS) [SFD: **yes**] [Tested SW: 0131-0134]

Coding:

Byte 25 Bit 2, 3, 4 **deactivate**

Byte 27 Bit 4 **deactivate**

Control unit 17 (Speedometer) [SFD: **yes**] [Tested SW: 3460-3470]

Coding:

Byte 3 Bit 7 **activate** (Tyre pressure monitoring)

Byte 4 Bit 0 **deactivate** (Tyre monitor display)

Byte 11 Bit 2 **activate** (BAP Strecke, Tyre pressure monitoring BAP)

Control unit 5F (Infotainment) [SFD: **Ja**] [Tested SW: 1803-1941]

Adjustments:

Fahrzeug Funktionsliste BAP (Car function list BAP):

tire pressure system 0x07 msg bus:

CAN\_Infotainment

tire\_pressure\_system\_0x07:

activated

Car\_Function\_Adaptations:

menu\_display\_rdk\_over\_threshold\_high:

activated

menu\_display\_rdk:

activated



## 2.2 45-watt USB module [SFD: no]

Parts list:

Front USB module: 5NA035700  
 Connector for front: 8K0973754C (Coupling for old connector 8K0972994B)  
 Pins: N 907647.01 (For coupling N 907648.01) MQS contacts  
 Rear USB module: 2G6035718

The connector for the front USB module must be replaced, and the wiring must be changed as follows:

Old:			New:		
Pin 1 KL30a	red	Fuse S20	→	Pin 1 KL30a	red Fuse S20
Pin 2 GND	brown	Ground	→	Pin 2 VS5V	green Pin 4 MIB3
Pin 3 KL58d	grey	Signal lighting	→	Pin 3 KL58d	grey Signal lighting
Pin 4 VS5V	grey	Pin 4 MIB3	→	Pin 4 GND	brown Ground



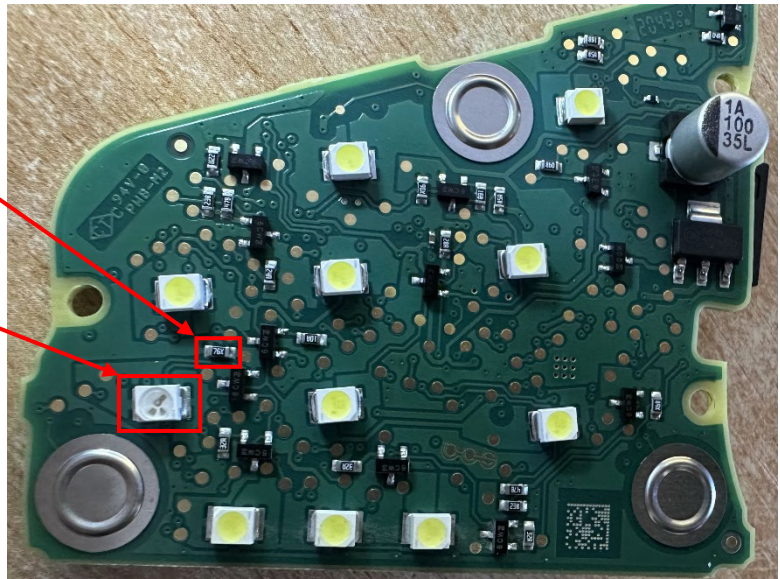
At the rear, the USB module can be replaced 1:1.



Alternatively:

- Engrave the cover with the respective logo. The cover works with every revision and doesn't need to come specifically from the Golf R
- On the circuit board of the Golf 8 R's keypad, replace the following components:

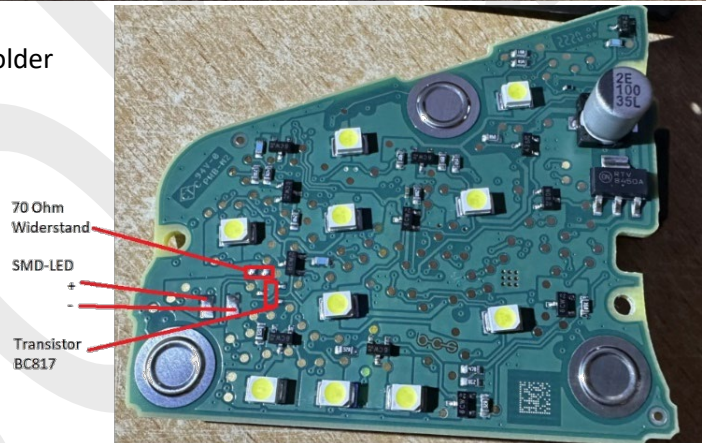
- 1x SMD 0603 resistor **220 ohms**  
The size of the resistor depends on the chosen LED.
- 1x SMD 3430 LED red  
For GTI, for example:  
[LED + Resistor](#)  
Brighter: [LED + Resistor](#)



Alternatively, use your own circuit board and solder the following components:

- 1x SMD 3430 LED red
- 1x SMD resistor 70 ohms
- 1x Transistor BC817

But without flashing the corresponding firmware, it won't work.



The following coding should also be compared before and after the modification:

Control unit 19

Adjustments:

Multi_function_steering_wheel_control_module	Coding Value:
Schalter für Tiptronic im Lenkrad	<b>installed</b>
Temperatursensor	<b>installed</b>
Variante	<b>ACC-High</b>
Klemmenstatus	active with clamp 58
Taster für Lenkradheizung	<b>not_active</b>
Distanzregelung Funktionsanfrage (FoD)	<b>activated</b>
Travel Assist Funktionsanfrage (FoD)	<b>activated</b>
Signalhorn, Weckfähigkeit	<b>not_active</b>
Geschwindigkeitsbegrenzer	<b>not_active</b>
Kombi_02_gueltig	<b>invalid</b>
zweistufig	<b>active</b>
Plattform	<b>MQB2020</b>

(Depending on the vehicle configuration)

**Do not spend money on the China versions.**

**There, the logo was engraved, and the 3 components were soldered. But it doesn't always work.**

**Datensatzkonfigurator:** [https://drive.google.com/file/d/1TO-m19At11qjMEcr\\_ZXCuP6IWgQew0UI/view](https://drive.google.com/file/d/1TO-m19At11qjMEcr_ZXCuP6IWgQew0UI/view)

**Video:** <https://youtu.be/ieC6ddiOeJg>

## 2.4 Frameless interior mirror

Parts list:

3G0 857 511 AC

Additional changes required:

None, the mirror fits electrically 1:1



## 2.5 Active lane change assistant [SFD: yes]

Requirements: Lane-keeping assistant  
Travel assistant  
Lane change assistant  
ACC  
Park steering assistant

Control unit A5 (Front camera) with at least software version **3400**, part number 5WA980653D  
Control unit 76 with part number 5WD919298, 5WA919298, or 5R3919298 (12 sensors)

The system is activated above 90km/h and on highways.  
The coding shown here only works for European vehicles.

Coding:

Control unit A5 [Tested SW: 3403-3406]

Coding:

Hc\_variante:

Variante\_5

Control unit 09 [Tested SW: 0159-0183]

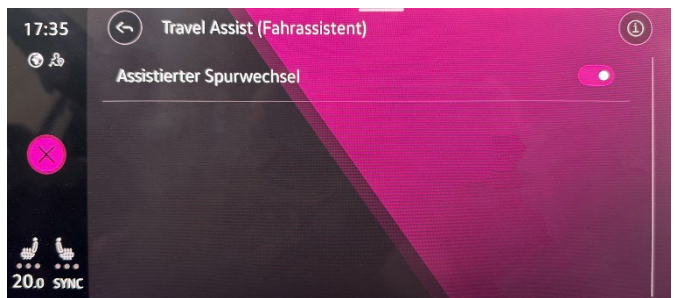
Adjustments:

Turn signal functions:

Travel Assist:

Active

**Note:** After the coding, an error can occur in control unit 09: "TA\_01". This happens only if the BCM has a dataset with version "0001" or "E001" in memory address "7235". Can be fixed by uploading a dataset with version "E002" or higher.



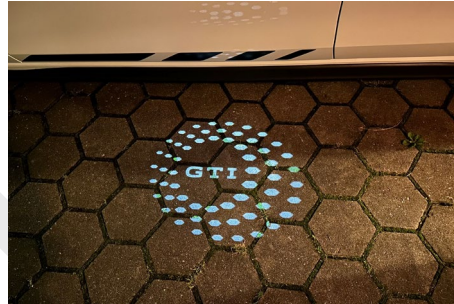
## 2.6 Retrofitting the facelift entry lights (puddle lights)

What is needed:

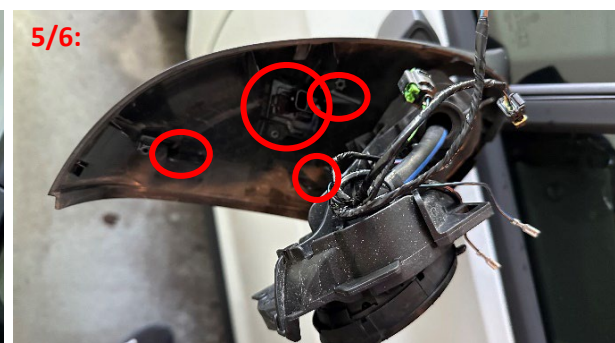
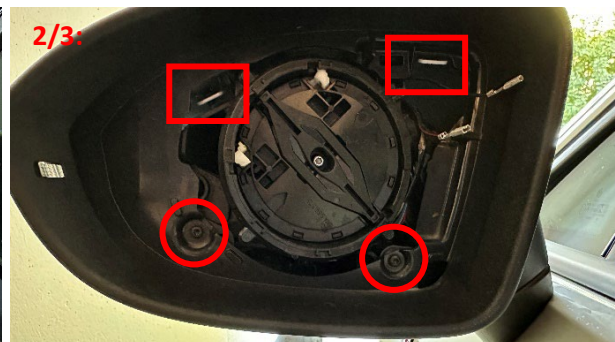
- Tools:
  - o Plastic wedge (for removing the mirror glass)
  - o Screwdriver
  - o Torx 10
- Entry light:
  - o VW:

Driver's side	Left-hand drive: 5H1945301C	Right-hand drive: 5H2945301C
Beifahrerseite	Left-hand drive: 5H1945302C	Right-hand drive: 5H2945302C
  - o GTI:

Driver's side	Left-hand drive: 5H1945301D	Right-hand drive: 5H2945301D
Beifahrerseite	Left-hand drive: 5H1945302D	Right-hand drive: 5H2945302D



1. Press the mirror glass inward on the outside to create a gap between the mirror glass and the housing on the vehicle's outside. This allows the mirror glass to be **carefully** pried out with the plastic wedge. Don't forget to disconnect the two cables for the mirror heating.
2. Press down the exposed clips of the mirror cap and pull the cap backward. If present, disconnect the LED connector on the mirror cap.
3. After removing the mirror cap, loosen the two screws of the front frame and remove the frame. The frame is additionally clipped in at the top.
4. Optionally, remove the turn signal light to create more space. Simply loosen the two screws, disconnect the connector, and remove the turn signal light.
5. Then, loosen the lower frame to which the entry light is attached and rotate it backward. It is secured with three retaining clips.
6. Disconnect the connector from the entry light. Then, loosen the two screws of the old entry lights and remove the lights.
7. Install in reverse order.



## 2.7 Unverified retrofits, coding's for some retrofits

### 2.7.1 Retrofitting light strip [SFD: **yes**]

Parts list (may be incomplete):

Left light strip:	5H0 941 653 C	
Left connector:	4F0 973 702 A	(Connectors, pins and seals are available as a complete set on eBay)
Right light strip:	5H0 941 654 G	
Right connector:	4F0 973 702 F	(Connectors, pins and seals are available as a complete set on eBay)

Wires: 0,35mm<sup>2</sup> brown (approx. 10m), 0,35mm<sup>2</sup> yellow/black (approx 5m), 0,35mm<sup>2</sup> yellow/white (approx 5m)

Textile adhesive tape for the wiring harness

Connector for the right strip:

	Pin 1	brown	Ground	→	Interior ground point
<b>Until MY CW48 2020:</b>	Pin 2	yellow/white	Signal	→	BCM T46b (B) Pin 20
<b>From MY CW48 2020:</b>	Pin 2	yellow/white	Signal	→	BCM T73b (C) Pin 35

Connector for the left strip:

	Pin 1	brown	Ground	→	Interior ground point
<b>Until MY CW48 2020:</b>	Pin 2	yellow/black	Signal	→	BCM T46b (B) Pin 32
<b>From MY CW48 2020:</b>	Pin 2	yellow/black	Signal	→	BCM T73b (C) Pin 61

**The dataset for BCM (ECU 09), address 7203, needs to be updated!**

Coding:

Control unit 09 [SFD: **yes**] [**Tested SW: 0159-0161**]

Adjustments:

**Until MY CW48 2020:**

Leuchte 2 SL VL B20:

Lasttyp 2:	LED_Kleinleistung_ohne_Open_Load_Diagnose
Lampendefektbitposition 2:	35
Fehlerort mittleres Byte DTC-DFCC 2:	26
Lichtfunktion A 2:	Standlicht
Dimmwert ABC 2:	100
Lichtansteuerung HD ABC 2:	always
Lichtfunktion D 2:	Ambiente Exterior 4
Dimmwert DEF 2:	100

Leuchte 3 SL VR B32:

Lasttyp 3:	LED_Kleinleistung_ohne_Open_Load_Diagnose
Lampendefektbitposition 3:	3F
Fehlerort mittleres Byte DTC-DFCC 3:	27
Lichtfunktion A 3:	Standlicht
Dimmwert ABC 3:	100
Lichtansteuerung HD ABC 3:	always
Lichtfunktion D 3:	Ambiente Exterior 4
Dimmwert DEF 3:	100

**From MY CW48 2020:**

Leuchte 31 AMBL 1 C61:

Lasttyp 31:	allgemeine_LED_bis_6W
Lampendefektbitposition 31:	35
Fehlerort mittleres Byte DTC-DFCC 31:	26
Lichtfunktion A 31:	Standlicht
Dimmwert ABC 31:	100
Lichtansteuerung HD ABC 31:	always
Lichtfunktion D 31:	Ambiente Exterior 4
Dimmwert DEF 31:	100

Leuchte 32 AMBL 2 C35:

Lasttyp 32:	allgemeine_LED_bis_6W
Lampendefektbitposition 32:	3F
Fehlerort mittleres Byte DTC-DFCC 32:	27
Lichtfunktion A 32:	Standlicht
Dimmwert ABC 32:	100
Lichtansteuerung HD ABC 32:	always
Lichtfunktion D 32:	Ambiente Exterior 4
Dimmwert DEF 32:	100

## 2.7.2 Rear view camera [SFD: yes]

### Parts list:

1x Retrofit kit from VW: 5H9 054 634

**Correct dataset! Otherwise, it may happen that the image is not displayed correctly.**

### Coding:

Control unit 19 (Gateway) [SFD: yes]

#### Coding:

PaCo\_Video\_Parksystem: RVC\_compact\_smart

Control unit 5F (Infotainment) [SFD: yes]

#### Adjustments

function\_configuration\_unit:

RVC\_video\_input: ethernet

Car\_Function\_List\_BAP:

VPS\_0x0B\_msg\_bus: can\_fas

VPS\_0x0B: activated

parkingsystem\_video\_input:

carrier\_resolution: 1392x656

function\_configuration\_rvc:

rvc\_low\_black\_screen\_trunk\_open: not\_active

rvc\_low\_failsafe: not\_active

rvc\_low\_black\_screen\_velocity\_threshold: not\_active

rear\_view\_low\_rvc: not\_active

rvc\_low\_lid\_close\_delay\_time: 0 [UN]\_s

rvc\_low\_videofailure\_detection\_time: 0

## 2.7.3 Connect/Code the valve exhaust system to the engine control unit [SFD: ???]

### Coding:

Control unit 01

#### Coding:

Byte 09 Bit 2 activate

## 2.7.4 Electric exterior mirrors [SFD: yes]

### Parts list:

### Coding:

Control unit 09

#### Adjustments:

Spiegelverstellung:

Spiegelanklappen\_bei\_Verriegelung: active

Spiegelabsenkung\_bei\_Rueckwaertsfahrt: active

Menuesteuerung\_Spiegelabsenkung: active

Spiegelverstellung\_Synchron: active

Menuesteuerung\_synchrone\_Spiegelverstellung: active

Menuesteuerung\_Funk\_Spiegel\_anklappen: active

## 2.7.5 Trailer hitch [SFD: **yes**]

### Coding:

Control unit 19 (Gateway) [SFD: **yes**]

Adjust installation list and **add** control unit with the number 69 (trailer).

(Codierung -> Trailer\_hitch: Trailer hitch (manually removable)

(Codierung -> Rear\_view\_mode\_trailer\_hitch: installed)

Control unit 01

Coding:

Byte 5 Bit 4 **activate**

Control unit 03

Adjustments:

Gespannstabilisierung: **activate**

Control unit 09

Adjustments:

Vernetzung:

Anhaengeranschlussgeraet: **installed**

Control unit 13

Coding:

Control\_module\_for\_towing\_sensor: **installed (Byte 1 Bit 7)**

Control unit 3C

Coding:

ECU for draw bar: **with\_ECU\_draw\_bar (Byte 00 Bit 5)**

Control unit 6C

Coding:

equipment\_ahk: **installed (Byte 02 Bit 0)**

Control unit A5

Coding:

AAG: **coded (Byte 5 Bit 4)**

Depending on what is stated in the manual.

Control unit 69

Coding:

Byte 1 Bit 0-7

01 -Trailer Connector Diagnostigs active

and/or

Byte 3 Bit 0-7

01 -Trailer Connector Diagnostigs active

## 2.7.6 Retrofit Travel assist [SFD: **yes**]

Requirements: ACC

What is needed:

- Steering wheel with the button on the steering wheel to activate the travel assistant
- Tools for changing the steering wheel
  - o Multi-tooth socket
  - o Large slotted screwdriver
- Dongle + software for coding and unlocking with SFD

Coding:

Control unit 13

Coding:

Capacitive_Steering_wheel:	installed
Travel_Assist:	activated

Control unit A5

Coding:

Klr:	Coded
Emergency_Assist:	EA_Variant_4
Hc_variante:	Variante_2

Control unit 09

Adjustments:

Fahrerassistenz-Blinkfunktionen:

Fahrerassistenz_Blinkfunktionen:	Wechselblinken_Warnblinken_Bremsblinken
Warnblinken_durch_Fahrerassistenz:	active
Hupen_durch_Fahrerassistenz:	active

## 2.7.7 Wireless CarPlay / Android Auto [SFD: **yes**]

Only if CarPlay or Full Link works with a cable

Control unit 09 (From SW 1803)

Adjustments:

function\_configuration\_connectivity:

app_connect_over_wifi:	yes
wifi_client_mode_5GHz:	on
wifi_client_mode_2_GHz:	on
WIFI_Hotspot_5GHz:	on
WIFI_Hotspot_2_4GHz:	on
apple_car_play:	on
google_android_auto:	on
wlan_module:	active ( <b>optional</b> )

## 2.7.8 Blindspot [SFD: yes]

### Control unit 03

#### Adjustments:

##### Delay management:

Rear cross traffic assistant: activated

### Control unit 17

#### Coding:

Lane change assistance: yes

Lane change assistant, BAP distance: yes

### Control unit 19

#### Control unit 3C eintragen

#### Coding:

PaCo\_Rear\_Cross\_Traffic\_Alert: installed

### Control unit 5F

#### Adjustments:

##### Car\_Function\_Adaptations:

menu\_display\_lane\_assistant\_over\_threshold\_high: activated

display\_lane\_assistant: activated

##### Car\_Function\_List\_BAP:

SWA\_0x1A: activated

### Control unit 76

#### Coding:

Rear Cross Traffic Alert: installed

### Control unit 3C

Flash the corresponding dataset and code according to the vehicle equipment.

## 2.7.9 Rain sensor [SFD: yes]

### Control unit 09

#### Adjustments:

##### Regensensorik\_Verbauund\_AB\_Teuerung:

Regensensor LIN\_Regen\_Licht\_Sensor

Lichtsensoren LIN\_Regen\_Licht\_Sensor

HMI\_Wiper\_Comfort\_Rain\_Sensor\_OFF active

##### Lighting\_Assist\_Adaptation:

Assistenzfahrlicht bei Regen active

Maskierung\_Regenlichtmenü not\_active

Assistenzfahrlicht, Empfindlichkeit per BAP einstellbar detected

### Control unit A5

#### Coding:

Rain\_light\_sensor: Coded

## 2.7.10 Rear door handles for Kessy [SFD: yes]

Front door handles also fit the rear.

Wiring must be routed and connected in the same way as for the front door handles.

Control unit 09

Adjustments:

Passive\_EntryExit\_Toggle:

Passiv Entry Türgriff hinten links	activated
Passiv Entry Türgriff hinten rechts	activated
Passiv Exit Türgriff hinten links	activated
Passiv Exit Türgriff hinten rechts	activated

Control unit B7 [Login code: 10587]

Adjustments:

Par\_Bedienstellen:

Bedienstelle Fahrerseite hinten, Verbauvariante	0
Bedienstelle Beifahrerseite hinten, Verbauvariante	0

Afterwards, the basic setting for each window must be carried out **separately**. This works as follows:

1. Fully lower the window by holding down the corresponding switch. Once the window is down, briefly release the switch and then hold it in the same direction again for 3 seconds.
2. Fully raise the window by holding up the corresponding switch. Once the window is up, briefly release the switch and then hold it in the same direction again for 3 seconds.



n3oka

## 4 Changing comfort turn signal cycles to 2 - 5 [SFD: yes]

**Cannot be coded, it is only possible through an adjustment of the dataset!**

Tested:

Control unit 09 [Tested SW: 0159-0183]

Adjustments:

Light\_control:

Komfortblinken Blinkzyklen: 3

You will need the following:

- Original dataset from the vehicle for the Body Control Module (BCM) 0009
- [Dataset configurator](#) or a text editor, such as Notepad++
- Dongle + software for uploading and unlocking the dataset using SFD

The following existing dataset can be imported/edited:

„A\_009\_7237\_5H0\_ZG05\_202002270000\_LISIRECAS.xml“

The following code block can be adjusted:

5A 47 30 35 -> Here ZG05

32 30 32 30 30 32 32 37 30 30 30 30 -> Here 202002270000

XX XX XX XX -> CRC32 checksum, must be recalculated for any changes ([See point 6](#))

XX -> Depends on the vehicle's configuration

XX -> Modify (07 = 2, 47 = 3, 87 = 4, C7 = 5)

```
5A 47 30 35 32 30 32 30 30 32 32 37 30 30 30 30 XX XX XX XX XX XX XX
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
```

The calculated checksum will be replaced in the modified dataset with the old checksum. [See point 6](#) for the checksum calculation.

**Before uploading the new data set, the infotainment system must be reset to factory settings.**

**After that, it is necessary to unlock the BCM (control unit 09) via SFD for the upload.**

**Then the data set can be uploaded. It must be ensured that the 'Delete/Erase' option is activated in VCTOOL and VCP.**

**For software versions above 0174, it is recommended to upload all parts of the BCM data set in one go to prevent an error from remaining in the control unit, which could indicate a manipulated data set.**

**If problems occur, it may also help to upload the data set a second time.**

The memory address is: **7237** and the login code is: **20103**

**For vehicles that are not connected to WeConnect by VW or should no longer be connected:**

**If the vehicle has not been connected to WeConnect by VW:**

After uploading the dataset, the adaptation values in the BCM need to be reset.  
STG 09 -> Basic Settings -> "Reset all adaptation values".

**If the vehicle has been connected to WeConnect by VW and should no longer be connected:**

After uploading the dataset, reset the infotainment to factory settings.  
Setup -> Factory settings

**For vehicles that should remain connected to WeConnect by VW:**

1. Reset the infotainment to factory settings (Do not set up or connect yet!)
2. Remove the vehicle from your [WeConnect](#) account page (WeConnect contract will still remain, **but I cannot confirm the status of any purchases**)
3. Delete the WeConnect account with VW (Go to Settings -> Account Settings -> Delete User Account)
4. Create a new WeConnect account the following day (You can use the same email address as the old account)
5. Add the vehicle using its identification number
6. Enter your new WeConnect account details in the infotainment system (Not before)

Subsequently, the relevant data from the vehicle will be loaded into your account and profile, including the number of turn signal cycles in this case.

**Video:** <https://youtu.be/rGODKzj3cBU>

**Link for the configurator:**

[https://drive.google.com/file/d/1TO-m19At11qjMEcr\\_ZXCuP6IWgQew0UI/view](https://drive.google.com/file/d/1TO-m19At11qjMEcr_ZXCuP6IWgQew0UI/view)

## 5 Start-Stop memory module

### 5.1 Option 1 (Memory module for the Golf 7 platform)

Possibly not possible for every BCM (Body Control Module), check pins beforehand  
Use the Start-Stop memory module from Golf 7 and connect it to the BCM as follows:

To BCM Pin T73b/60 (button) and Pin T73b/51 (status LED)

Then apply the following coding:

Control unit 09 [Tested SW: 0159-0161] [SFD: yes]

Funktion Cockpittaster 1:

Function\_button\_1: Start\_stopp

### 5.2 Option 2 (Memory module for the Golf 8 platform)

Module 1: [Link](#)

Manufacturer: Speed Signal

Price: 141,61€ (as of 08.07.2023)

Instructions: [Installation instructions from the manufacturer](#)

Function: Deactivates the start-stop function every time the vehicle is started. Does not respond to changes in the start-stop function when switching driving modes.

Module 2: [Link](#)

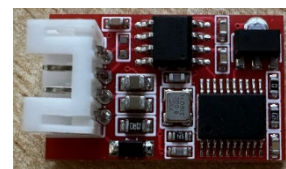
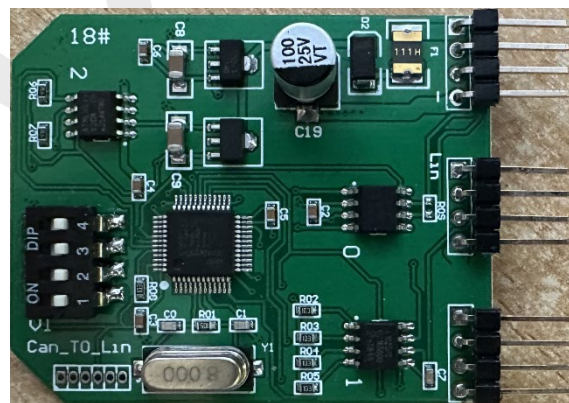
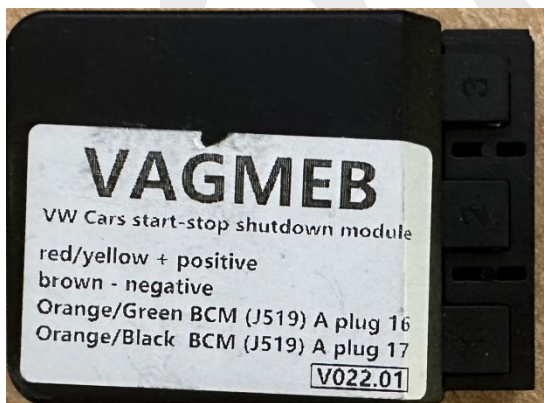
Manufacturer: VAGMEB (China)

Price: Ca. 50€ (Varies)

Instructions: Imprint

Installation report: For a Cupra Formentor (not by me): [Link](#)

Function: Deactivates the start-stop function every time the vehicle is started. Does not respond to changes in the start-stop function when switching driving modes.



Module 3: [Link](#)

Manufacturer: China module

Price: Ca. 20€ (Varies)

Instructions: Wire labels

Function: Deactivates the start-stop function every time the vehicle is started. Does not respond to changes in the start-stop function when switching driving modes.

Module 4: [Link](#)

Manufacturer: MTM

Price: 249€ (as of 08.07.2023)

Instructions: -----

Function: Unknown

Module 5: [Link](#)

Manufacturer: asr

Price: 199€ (as of 12.10.2023)

Instructions: QR code for download is included (Golf 8, Seat/Cupra Formentor Leon KL, Audi A3 8Y, S3 8Y, RS3 8Y)

Function: [Video from the manufacturer](#) (Saves lane-keeping assist and start-stop settings, must be adjusted via the steering wheel buttons, also works when changing driving profiles).



Bracket: Pictures of the bracket I designed

Required: 2x M4x12mm + 1x M4x6mm + 3x M4 washers

Additionally, the ground wire needs to be extended by 10cm

3D printing files can be found here: [Link](#)



### 5.3 Option 3 (Coding)

Solvable via coding, see [here](#)

## 6 Calculate CRC32 checksum

After a dataset has been modified, the last 8 characters must be replaced with a newly calculated checksum. Otherwise, the changes will not be accepted by the control unit.

There is a calculator available for this purpose, for example, on this website:  
<https://www.iddgo.net/en/encrypt/crc>

You need to select „HEX“ for the „Content Type“ and set „CRC-32“ for the „Algorithm“.

The data block, except for the old checksum (last 8 characters), must be entered in the „Input Content“

After clicking the „Calculate“ button, the result will be displayed below as „Check Result(HEX)“.

Input Content

Content Type: Hex | Algorithm: CRC-32 | Calculate | Clear

Polynomial Formula:  $x^{32}+x^{26}+x^{23}+x^{22}+x^{16}+x^{12}+x^{11}+x^{10}+x^8+x^7+x^5+x^4+x^2+x+1$

Bit Width: 32 | Polynomial Formula(HEX): 04C11DB7

Initial Value(HEX): FFFFFFFF | XOROUT(HEX): FFFFFFFF

Reverse: REFIN  | REFOUT

Check Result(HEX): 7A432149 | Copy

Check Result(BIN): 01111010 01000011 00100001 01001001 | Copy

Alternative: You can also use <https://www.crcalc.com> for this purpose.

Input:  ASCII  HEX | Output:  HEX  DEC  OCT  BIN |  Show processed data (HEX)

CRC-8 | CRC-16 | CRC-32

Algorithm	Result	Check	Poly	Init	RefIn	RefOut	XorOut
<a href="#">CRC-32</a>	0x7A432149	0xCBFA3926	0x04C11DB7	0xFFFFFFFF	true	true	0xFFFFFFFF
<a href="#">CRC-32/BZIP2</a>	0x50B0EEA7	0xFC891918	0x04C11DB7	0xFFFFFFFF	false	false	0xFFFFFFFF
<a href="#">CRC-32/JAMCRC</a>	0x85BCDEB6	0x340BC6D9	0x04C11DB7	0xFFFFFFFF	true	true	0x00000000

You should copy the 8 characters after „0x“ here.

## 7 Modifications

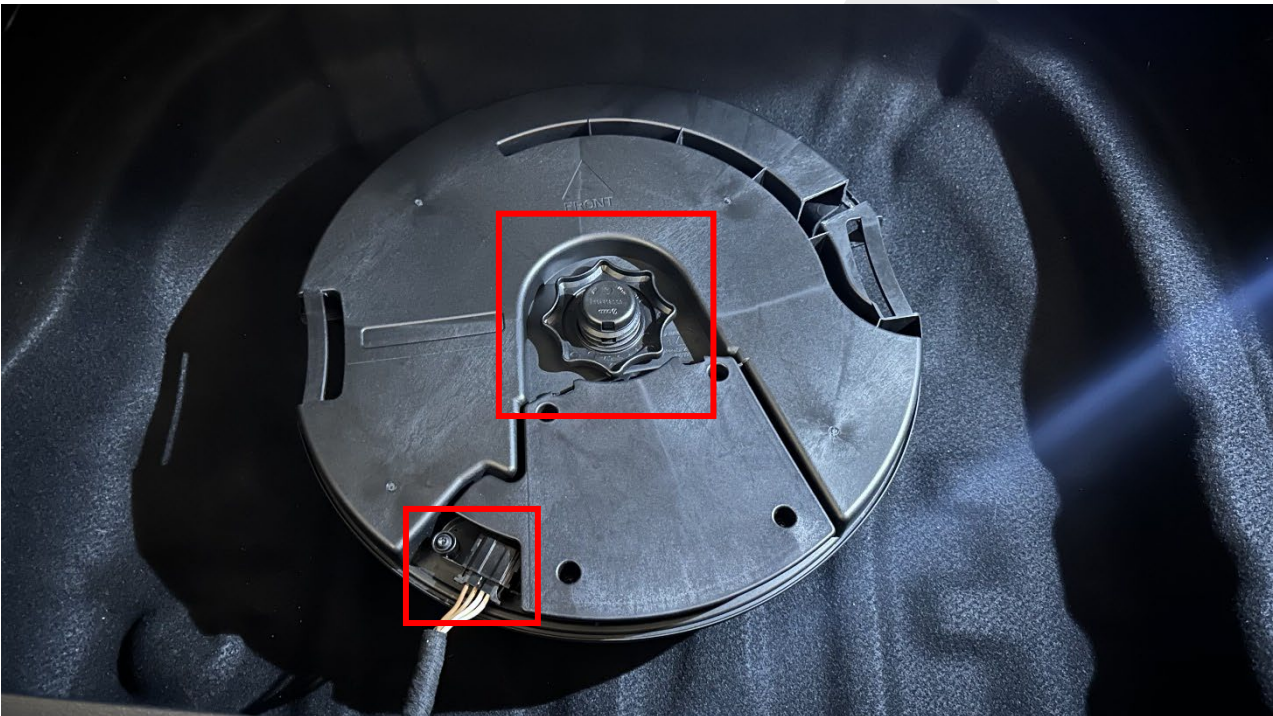
### 7.1 Enhancing Harman/Kardon OEM subwoofer

By making a simple modification to the subwoofer's enclosure, a significantly better bass can be achieved.

What is needed:

- A vibrating saw (narrow blade) or Dremel with the appropriate tool
- Torx 25 screwdriver
- Something for deburring
- Sandpaper

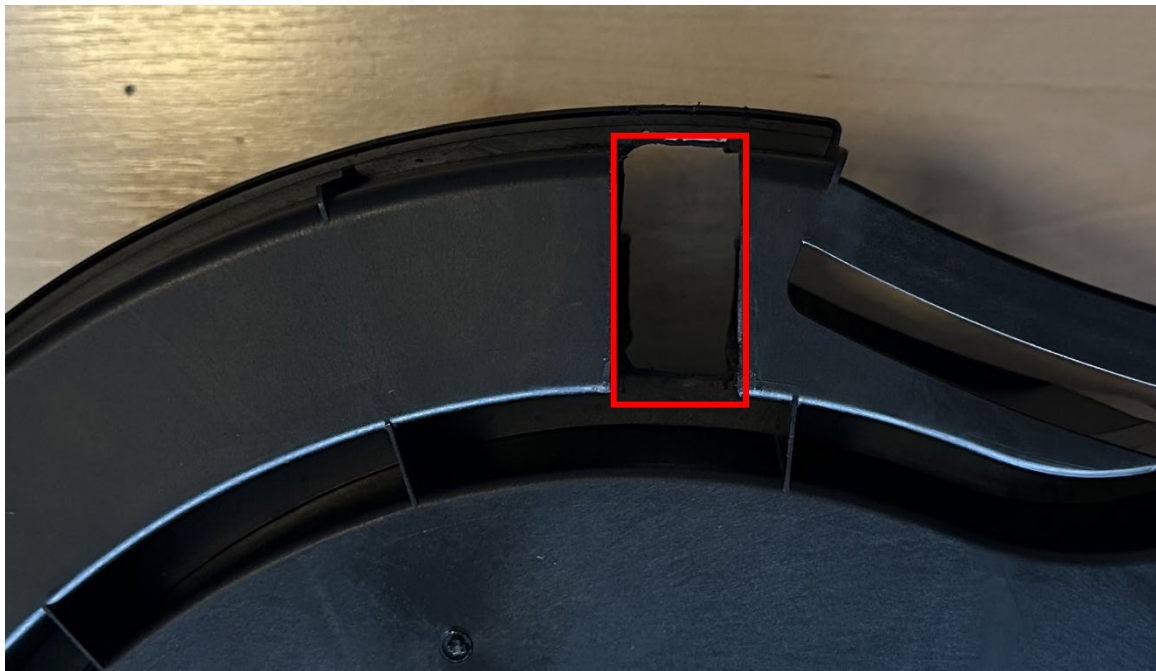
First, the subwoofer must be removed. It is located in the trunk under the floor in the cargo area. Then, disconnect the connector (push both retaining tabs inwards) and loosen the large plastic nut in the center. Now, the subwoofer can be taken out.



Next, the subwoofer must be removed from the enclosure. To do this, simply unscrew 5 screws (Torx 25). Then lift the speaker along with the plastic part.



Only the marked area needs to be cut out:



After cutting, there must be a hole leading into the interior of the enclosure for everything to work correctly:



Deburr everything and slightly sand the cut surfaces.

Clean the enclosure, including the inside. Then, the speaker can be reinstalled and screwed back in place.

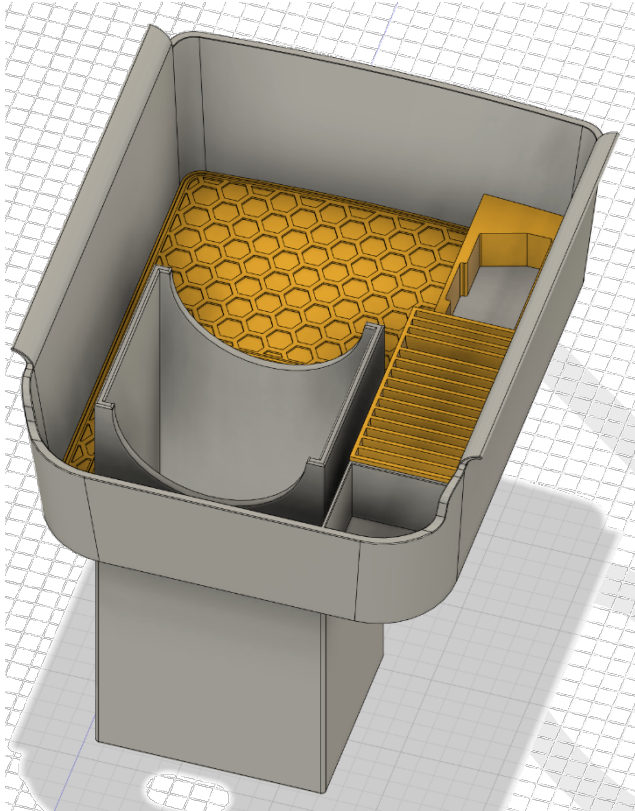
Now the subwoofer can be placed back into the vehicle.

## 7.2 Sunglasses compartment for the center console

Since VW did not provide a suitable space in the interior of the Golf 8 for sunglasses, I created my own solution and 3D-printed it.

The new sunglasses compartment is placed in the center console, beneath the elbow rest.

Additionally, I incorporated a coin holder and a parking spot for the OBD eleven device.



The grey parts shown here (2 parts) will be 3D-printed with ABS, ASA, or another heat-resistant material (as the interior can reach temperatures of around 60°C in the summer).

The parts shown in yellow will be 3D-printed with TPU to ensure there are no noise issues.

I lined the sunglasses compartment with felt.

Here is the link to the 3D-print files: <https://www.thingiverse.com/thing:6011038>

## 8 Maintenance

### 8.1 Releasing the rear electronic brake [SFD: yes]

1. Connect a battery charger
2. Turn on the ignition
3. Access Control unit 03 (ABS)
4. Go to „Basic Settings – 04“
5. Start the brake pad replacement mode

The brake cylinders should now open. They are fully open when there are no sounds (clear buzzing) coming from the brake cylinders.

Once this process is complete:

Select **“Stop”** to the end te process

6. Now, you can turn off the ignition and begin working on the rear brakes.

Upon completion of the word:

1. Turn on the ignition
2. Access Control unit 03 (ABS)
3. Go to „Basic Settings – 04“
4. End the brake pad replacement mode

The brake cylinders should now close. They are fully closed when there are no sounds (clear buzzing) coming from the brake cylinders.

Once this process is complete:

Select **“Stop”** to end the process.

### 8.2 New battery calibration [SFD: yes]

Control unit 19

Adjustments:

Battery\_Adaption (Batterieanpassungen):

Battery\_capacity:

Battery\_technology:

Battery\_manufacturer:

Battery\_serial\_number:

Enter the battery capacity of the new battery.

Select the corresponding value of the new battery.

Enter the manufacturer of the new battery.

(Maximum 3 letters)

Enter the serial number of the new battery. If the new battery does not have a serial number, simply increment the last digit by 1 (e.g., 1111111111 -> 1111111112))

### 8.3 Replace the windshield wipers

Front wipers: Bosch Aerotwin A863S 650/450mm

Rear wipers: Bosch A252H 250mm

Bring the front wipers to the service position.

Method 1: Turn on the ignition and immediately turn it off, then push the wiper lever on the steering wheel downwards.

Method 2: Turn on the ignition, go to "Vehicle" in the HMI, then go to "Exterior" in the "Vehicle" tab, and scroll all the way to the right until "Service position" is displayed. Press "Service position" there.

## 8.4 Adjusting the Front Camera After Lowering [SFD: yes]

Control Unit A5

Adjustments:

Body\_height\_wheelhouse\_edge:

Body height wheelhouse edge front left:	xxx [UN]_mm
Body height wheelhouse edge front right:	xxx [UN]_mm
Body height wheelhouse edge rear left:	xxx [UN]_mm
Body height wheelhouse edge rear right:	xxx [UN]_mm

Here, enter the new values for "xxx" accordingly.

Measurement is taken from the ground to the upper edge of the wheelhouse while the vehicle is on a level surface.

## 8.5 DCC Retraining After Lowering [SFD: no]

The DCC suspension system must be retrained after lowering.

To do this, the following conditions must be met:

- The vehicle should be driven for several kilometers before retraining, approximately a tankful.
- All four wheels must be suspended (vehicle on a lift)
- Battery charger must be connected to the car battery
- Hood open
- Connect the diagnostic dongle and proceed as follows:

Select Control Unit 14 [Login: 20103]

Basic Settings:

Retrain with the wheels in the extended position

- Press Start
- Wait
- After about 30 seconds, a message should appear indicating successful retraining (some software versions may not display a message)
- Press "Finish" or "Stop."

## 8.6 Key battery replacement

What is needed:

- Pointed tool, such as a small screwdriver or similar
- CR2032 [button cell](#)



Insert a pointed tool between the chrome part and the back of the key and carefully pry it open. After that, the cover can be lifted gently.



Insert the screwdriver between the two retaining tabs, push the battery slightly away from the tabs, and lever it out.



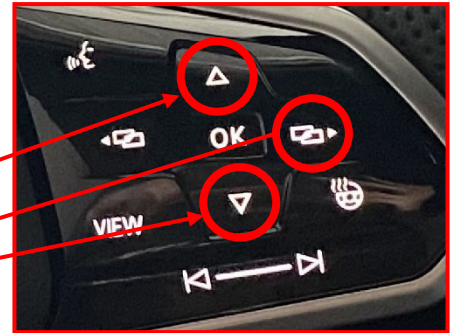
Insert the new battery and snap the cover back on.

Done.

## 9 Hidden menu's

### 9.1 Service menu instrument cluster (Reset service):

1. Turn on the ignition
2. Press the following button on the steering wheel once:



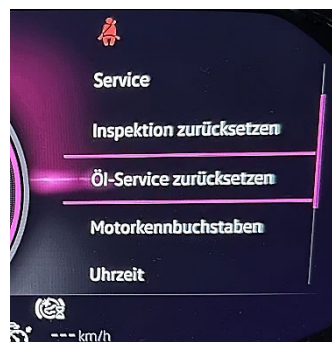
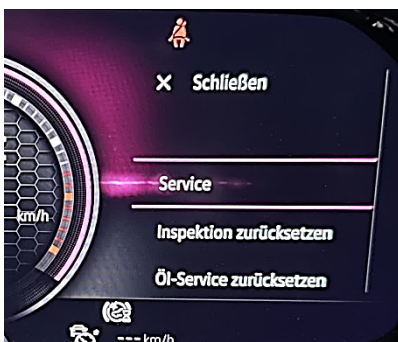
3. Navigate to the menu item „Travel time/distance“



4. Now hold down the following button for about 5 seconds and then release it.

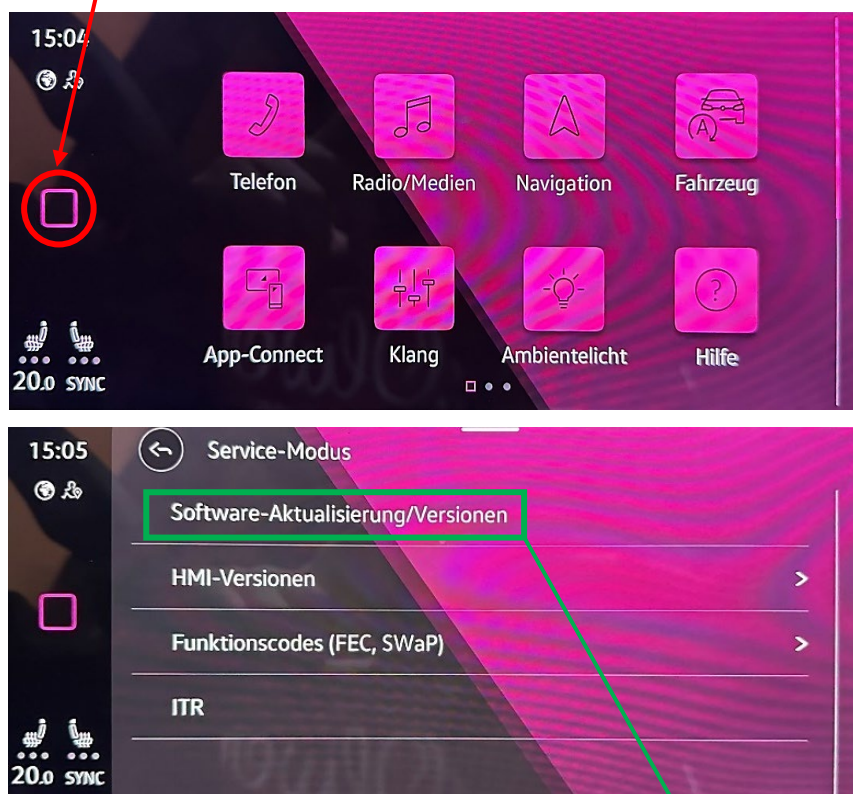


5. Now the service menu appears on the instrument cluster.



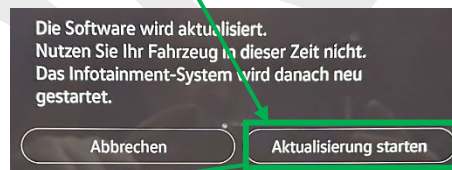
## 9.2 Service Menu Infotainment System (MIB3) (For Software Update):

Press and hold the menu button for about 3 seconds.



## 9.3 Exit Software Update Menu

Simply click here:



## 9.4 Restart MIB3

Method 1: Press the illuminated "Power" button for about 20 seconds until the system restarts.



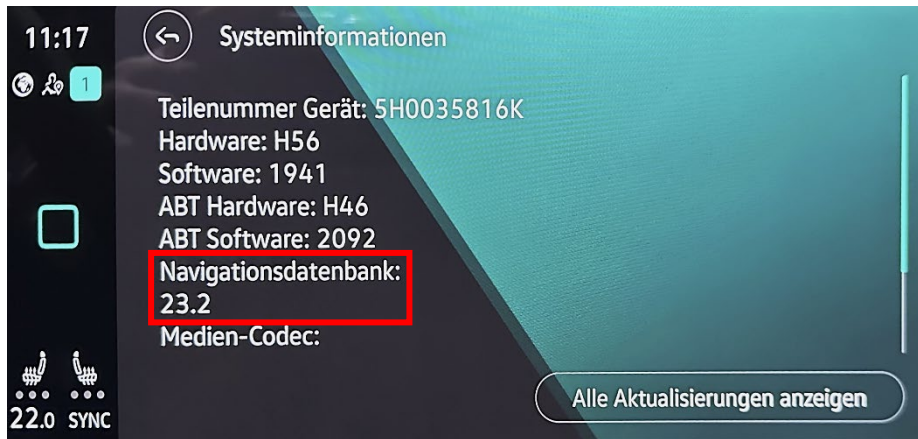
Method 2: Execute the two points "[Service Menu Infotainment System](#)" and "[Exit Software Update Menu](#)".

Method 3: Connect the diagnostic dongle and select the following:  
Controller 5F -> Reset

# 10 MIB3-Updates

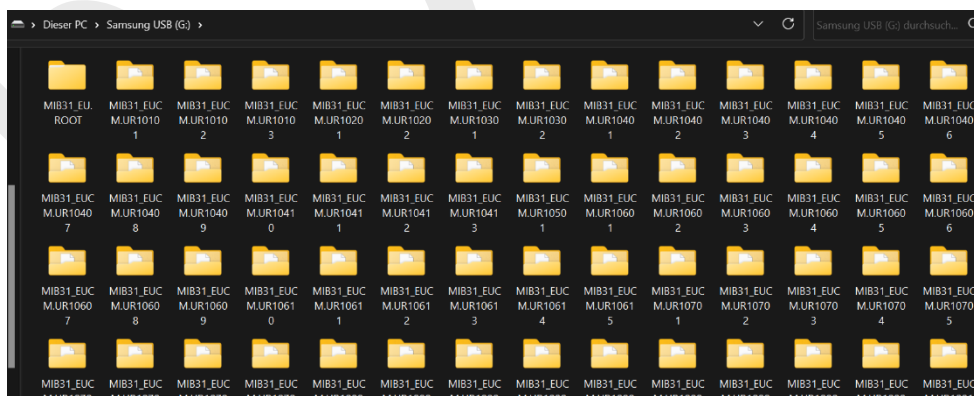
## 10.1 Offline Navigation Map Update (without WeConnect)

1. The installed version can be checked against the one displayed on the website. To do this, click on "Setup" in the vehicle and select "System Information."



Note: 23.2 = February 2023  
5H0035816X = Discovery pro  
5H0035820X = Discovery media

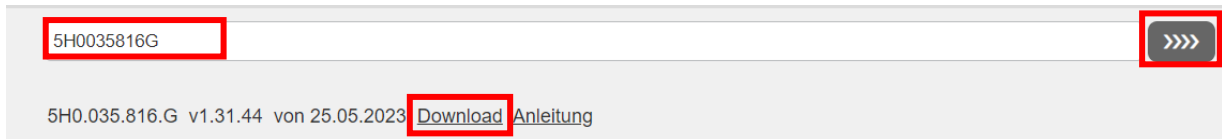
2. Visit the website <https://www.volkswagen.de/de/besitzer-und-nutzer/myvolkswagen/navigation-map-update.html>
3. Select the corresponding vehicle, model year, and navigation system, then click on "Download." The currently available version will also be displayed here.
4. Extract the downloaded file onto a USB stick (at least 32GB, preferably with a Type-C connector or with an adapter) using 7-zip. The USB stick can be formatted in exFAT or NTFS file format. Now, there should be numerous folders visible on the USB stick:



5. Plug the USB stick into the vehicle and leave it connected.  
No further action is required. The MIB3 updates the maps automatically in the background during normal use of the vehicle.  
The completion of the update can only be determined by checking the system information. The version number should have changed.

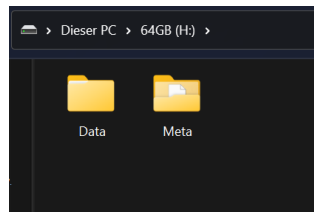
## 10.2 Radio station data update (Only for European vehicles)

1. Visit the website <https://www.phonostar.de/vw/de/download>
2. Enter the part number of your MIB3 unit below, search, and download.



The last letter practically doesn't matter, as the search result is always the same.

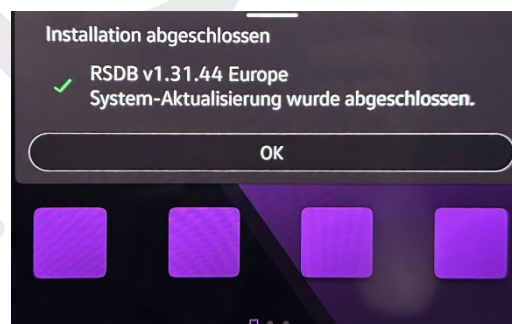
3. Unpack (with 7-zip) the downloaded file on a USB stick (preferably with a Type C connector or with a adapter). The USB stick can be formatted in, exFAT, or NTFS file format. On the USB stick, it should look like this:



4. Plug the USB stick into the vehicle.
5. Click on "Start" and wait.



6. After the infotainment system has restarted, the following message should appear:



Done

### 10.3 MIB3 System updates

I will not provide links for system updates due to copyright reasons.

Please understand this.

Updates can be obtained through the dealer (in case of issues) or over the air (OTA).

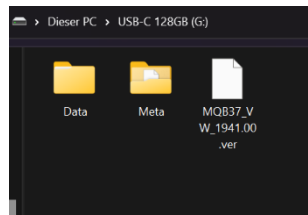
OTA updates are distributed in waves by VW.

System updates via USB (19.06.2024):	3G8919360AQ	1983 (Discovery Pro/Media)
	3G8919360CF	2460 (Facelift)
	3G8919360L	1805 (Radio)

System updates via OTA (03.01.2024):	1941 (Discovery Pro/Media)
--------------------------------------	----------------------------

For the update, the procedure is usually as follows:

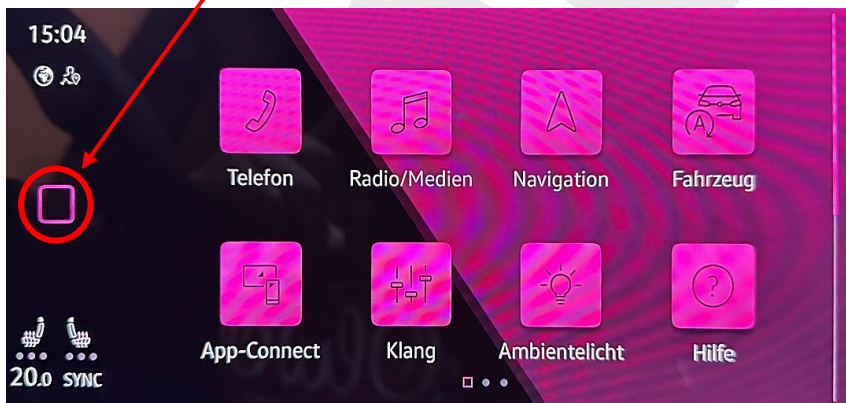
1. Extract the update onto a USB stick (preferably with a Type C connector or with an adapter). The USB stick can be formatted in exFAT or NTFS file format. On the USB stick, it should look like this:



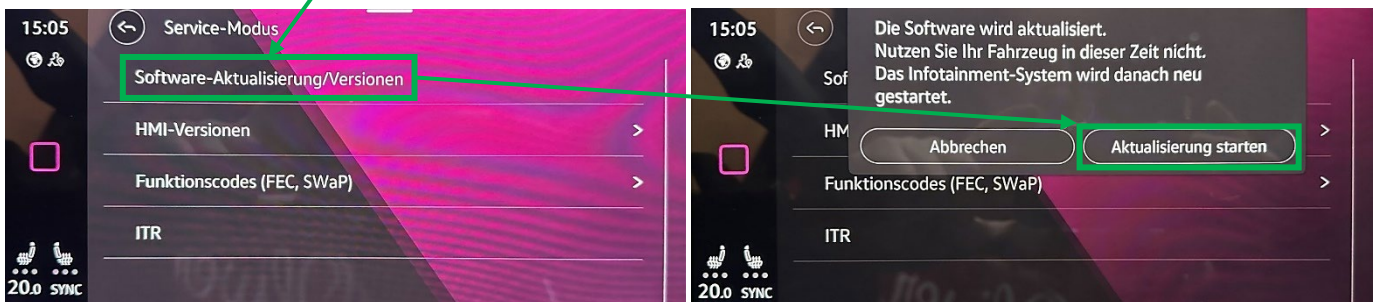
Please note the following points:

- Fully charge the vehicle battery before starting
- Charger connected to the vehicle battery and turned on
- Hazard lights turned on

2. Insert the USB stick into the vehicle.
3. Hold down the menu button for about 3 seconds.



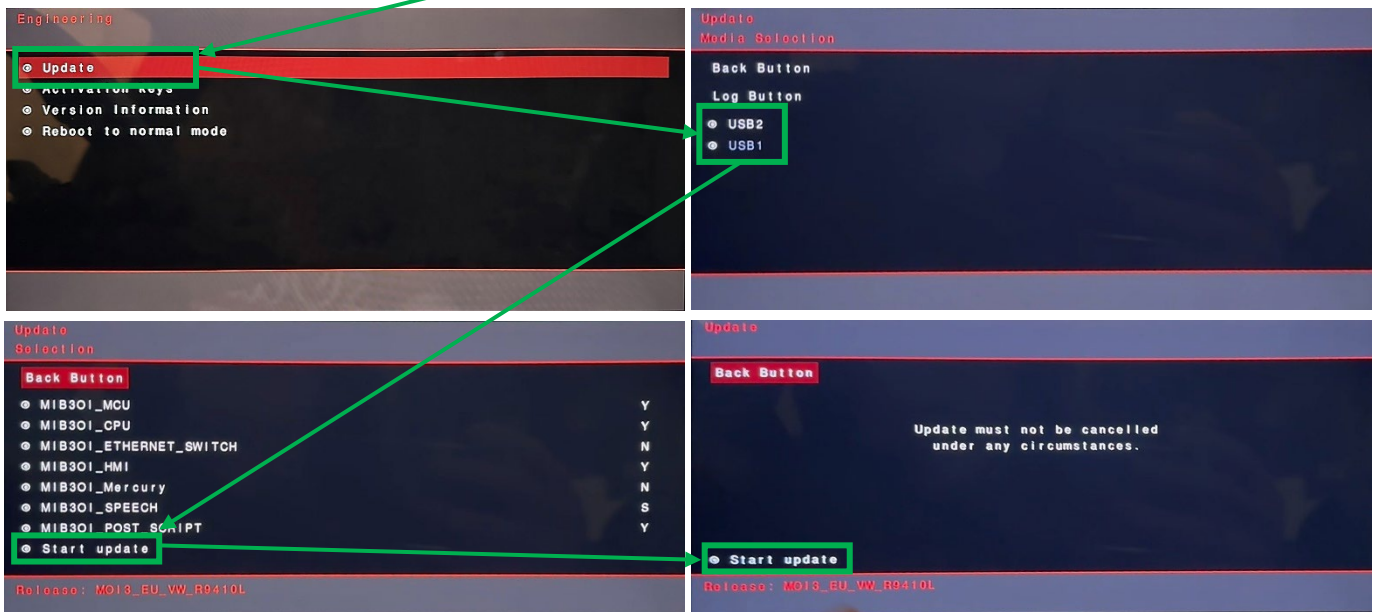
4. Now the following needs to be clicked:



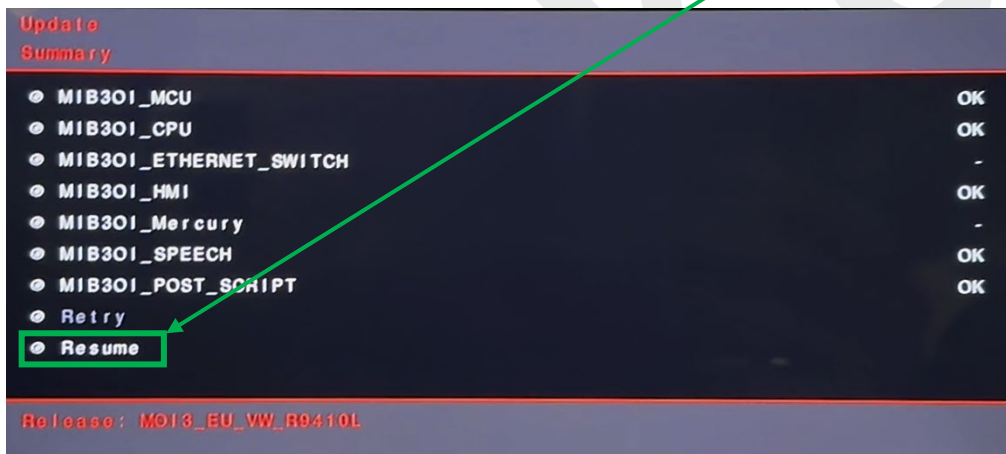
**DO NOT do the following during the update:**

- Start the engine
- Turn the ignition on or off
- Interfere with the infotainment system
- Hold down the "Power" button

5. To execute an update, press "Update" and choose the source.



6. Once the update is complete (takes about 30 minutes), simply click "Resume".



7. Afterward, the software management error in control unit 5F should be resolved. To do this, use a diagnostic dongle to read the code in Discovery Pro/Media:  
Control Unit 5F -> Adaptations -> Component\_Update\_Confirmation -> Confirmation\_Key Radio:  
Control Unit 5F --> Adaptations --> Confirmation\_of\_installation\_change --> Confirmation\_Key  
Enter this code into an XOR calculator. The calculated result should be entered into the same adaptation channel and "code" should be selected.  
You should see a message indicating that the new value has been successfully adopted, although the value in the adaptation channel does not change. This is normal, and the error should now be resolved.

XOR calculator:

[https://drive.google.com/file/d/1TO-m19At11qjMEcr\\_ZXCuP6IWgQew0UI/view](https://drive.google.com/file/d/1TO-m19At11qjMEcr_ZXCuP6IWgQew0UI/view)

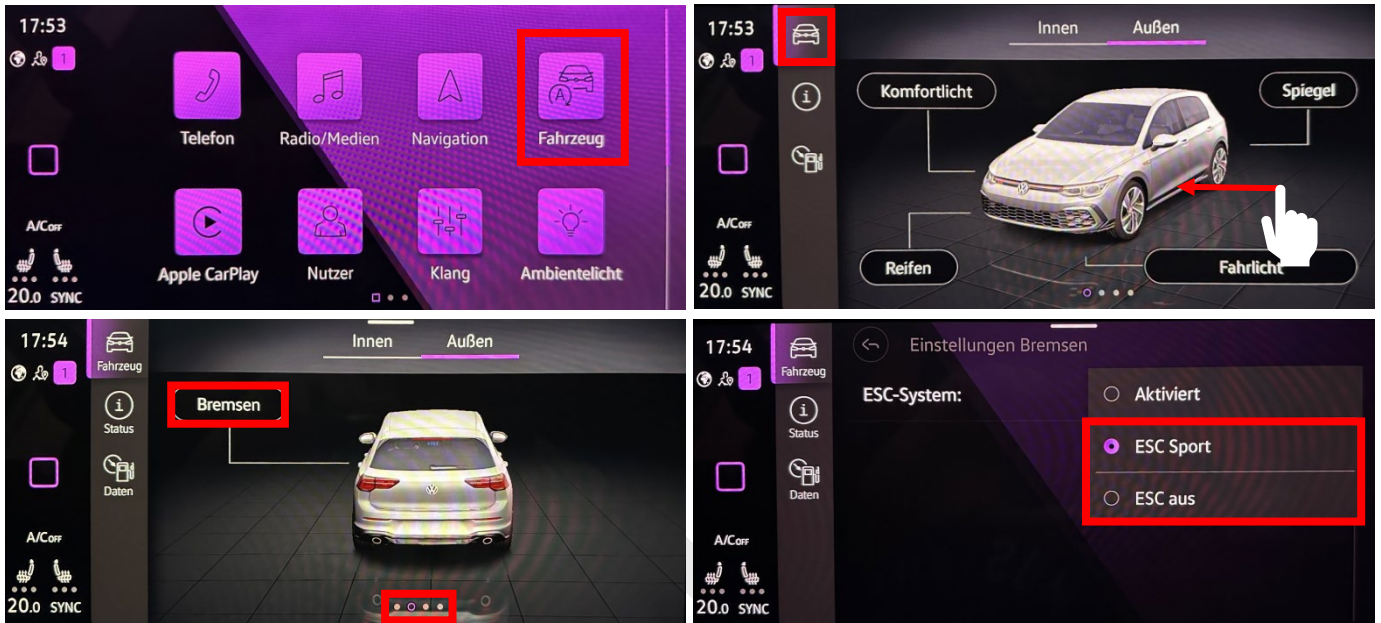
VW recommends resetting the infotainment system to factory settings after an update.

If necessary, reactivation of various functions may be required through ODIS-Service, which is only possible with appropriate access.

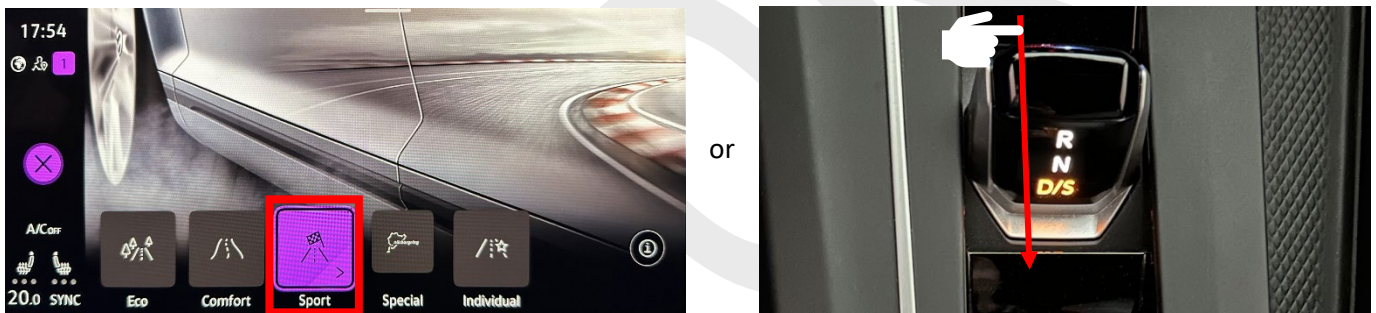
Video: <https://youtu.be/4AsSbGd3caU>

# 11 Activate launch control

1. Turn off ESC or set it to "ESC-Sport."



2. Select Sport mode



3. Depress the brake pedal with your left foot and press the accelerator pedal with your right foot. The engine will rev up to a maximum of 4,000 RPM, and a message will appear on the dashboard.



When you release the brake pedal, the vehicle will move accordingly.

Note:

Does not work when...

- The engine is too cold.
- The engine is too hot.
- A trailer is attached.
- The steering wheel is not straight (steering angle).
- Manual transmission is present

## 12 Software updates (23.08.2024)

Updates executable, conditions for each update in red

**NOT SUITABLE FOR NOVICES!!!!!! ALWAYS with a full battery and a charger connected!!!!!!!**

### Control unit 01 (Motor)

8Y0906259C SW 0003 → 0004 → 8Y0906259K SW 0001

### Control unit 03 (ABS)

5WA614517BJ SW 0131 → 0132 → 5WA614517BL SW 0134 (New dataset, calibration data, and SFD required) → 5WA614517CF SW 0136 (New dataset and SFD required)  
5WA614517BE SW 0127 → 5WA614517BL SW 0134 (New dataset, calibration data, and SFD required) → 5WA614517CF SW 0136 (New dataset and SFD required)  
5WA614517BF SW 0127 → 5WA614517BM SW 0134 (New dataset, calibration data, and SFD required)

### Control unit 08 (Clima)

5WA907007G SW 3140 → 5WA907007R SW 3440  
5WA907007J SW 3130 → 5WA907007P SW 3440  
5WA907007Q SW 3130 → 5WA907007Q SW 3440  
5WA907007M SW 3050 → 5WA907007Q SW 3440  
5WA907007S SW 3150 → 5WA907007R SW 3440  
5WA907007T SW 3170 → 5WA907007R SW 3440  
5WA907727S SW 0240 → 5WA907727AC SW 0440  
5WA907727N SW 0340/0341 → 5WA907727AC SW 0440  
5WA907727P SW 0340 → 0341 → 5WA907727AD SW 0440 → 5WA907727BC SW 0462 → 5WA907727BB SW 0531

### Control unit 09 (BCM)

5WA937086Q SW 0137 → 5WA937086F SW 0159 → 0160 → 0161  
Sub control unit 3G0980611 SW 0059 → 0060

### Control unit 14 (DCC)

1EA907376B SW 0456 → 0457

### Control unit 17 (AID instrument cluster)

5H0920340A SW 3460 → 3470  
5H0920340B SW 7360 → 7380

### Control unit 19 (Gateway)

5WA907530J SW 7083 → 7084

### Control unit 3C (Lane-Change)

2Q0907686E SW 0276 → 2Q0907685K SW 0289

### Control unit 42 (Driver's side door)

5Q0959593K SW 0330 → 5Q0959593L SW 0350

### Control unit 47 (Soundsystem)

5H0035456A SW 4315 → 4319

### Control unit 4B (Light)

5WA907338 SW 1372 → 5WA907338B SW 1447 (new Dataset, coding, basic setting, SFD necessary)

### Control unit 52 (Passenger side door)

5Q0959592K SW 0330 → 5Q0959592L 0350

### Control unit 5F (Infotainment) (Update via USB + fixing SVM errors, OTA available from version 17XX)

5H0035816D 1803 → 5H0035816D 1890 → 1896 → 1898 → 5H0035816K 1899 → 1941 (Modification adjustments: Bluetooth\_Sniff\_Mode: off) → 1969 → 1983

### Control unit 6C (rear view camera)

5WA980556B SW 0193 → 5WA980556D SW 0344

### Control unit 75 (Emergency call module)

5WA035284C SW 0135 → 0142 (Modification adjustments: Online\_Service\_Backend\_Primary\_Hostname:  
<https://mod3vkmsmbreg-0.prd.eu.dp.vwg-connect.com/mbb/vehicles/v2/deviceRegistered>  
→ 5WA035284F SW 0144

### Control unit 76 (PDC)

5WD919298 SW 0230 → 5WA919298B SW 0578 (new Dataset, adjustments und coding need to be reapplied) → 5WA919298B SW 0582

### Control unit A5 (Front camera)

5WA980653A SW 3129 → 5WA980653C SW 3302 (new Dataset) → 3303 → 5WA980653D SW 3403 (new Dataset) → 3405 → 3406 (new Dataset)

### Control unit B7 (Interface for access and start system)

5WA959436C SW 0706 → 5WA959436J SW 0725

### Control unit 8107 (Antenna)

5WA035741B SW 0081 → 0083

## 13 Changelog

10.09.2024

- Retrofit "[Rear door handles for Kessy](#)" added
- Minor adjustments

06.09.2024

- Added point "[Retrofitting the facelift entry lights \(puddle lights\)](#)"

23.08.2024

- Point "[Software updates](#)" updated
- Added coding "[Comfort opening of windows via door handles](#)" at "Tested"

19.08.2024

- Point "[Changing comfort turn signal cycles to 2 – 5](#)" adjusted

14.08.2024

- Coding "[Activate Auto-Hold and related messages](#)" updated
- Added a note at point "[Changing comfort turn signal cycles to 2 – 5](#)"

24.07.2024

- Retrofit "[Golf 8 R mode button on the steering wheel](#)" updated
- VideoInMotion dataset updated

**I am currently looking for a scan of a Golf 8 facelift. If anyone has a scan, please contact me via Facebook.  
Thank you.**

14.07.2024

- Untested coding "[30 ambient colors](#)" adjusted
- Added coding "[Change the ambient colour assignment for the driving profiles](#)" at "untested"
- Minor adjustments

13.07.2024

- Moved coding "[Deactivate easy entry](#)" to "coding without function"
- Coding "[Active lane change assistant](#)" updated
- Moved coding "[Maintain sunroof tilt angle while driving](#)" to "Tested"

03.07.2024

- Added coding "[Automatically close open windows when locking the vehicle](#)" at "No function or changes"

## 14 General Note's

It may happen that the adaptation channels differ in naming depending on the software used (Odis, OBD11, VCDS, VCP, VCTool) and their label file.

Also, it can happen that some coding's do not work with every software version. Therefore, the codings indicate the software version with which I have tested them. But this does not mean that the respective coding only works with that software version.

**Do not code or update control unit 44 (steering), as this may cause a defect in the control unit. Thank you for the notice!**

## 15 Detonations

If anyone would like to make a donation, you are welcome to do so voluntarily.

I'm adding this here because I have been asked about it several times.

<https://www.paypal.com/paypalme/n3okaa>

<https://www.buymeacoffee.com/n3oka>

Thank you =)