Vediamo

Usage (step-by-step manual)

This Manual is the property of all forum users that kindly provided information in threads over the last 2 years and now kindly shared back to users who need a little hand to startup using this great tool

CAN NOT BE SOLD !

MUTATIS MUTANDIS

Table Of Contents

1. Vediamo - Basic knowledge - Part ONE

1.0 Getting started

First you need to have a good set of ECU databases as filles and folders
The ECU database should already have all files in the correct folders
(may be created by yourself, which CBFs belong to which car is decribed in chapter 1.2).

Second they need to be implemented and used (described in chapter 1.3)

Third connect your SD Connect C4 to your car and by lan or Wifi to your computer.

1.1 Preparation of CBFs for Carlines

A max. count of 500 CBFs is allowed in one folder.
The needed CBFs for one carline should be copied in one folder.
If the ECUs are not known for one carline the correct ECUs and CBFs need to be researched.

1.1.1 How to find the CBF and SMR-D Folder

For old carlines: mcf Files (open with editor) may be found in the F:\Programme\DAS\COMDAT\
For new carlines: xml Files (open with editor) may be found in the F:\Programme\Xentry\Kontexte\CaesarProjekte\
For newest carlines with SMR-D: F:\Programme\Xentry\Kontexte\ODXProjekte
The best solution is to create for each carline one folder and put the corresponding CBFs inside.

WIN7system:
DAS CBF : C:\Program Files (x86)\Mercedes-Benz\DAS\comdat\pkw\cbf
Xentry SMR: C:\Program Files (x86)\Mercedes-Benz\Xentry\Kontexte\ODXProjekte
Xentry CBF: C:\Program Files (x86)\Mercedes-Benz\Xentry\MB_PKW\Caesar\cbf
CFF file： C:\Program Files (x86)\Mercedes-Benz\SDFlash\Release\PKW

XP system:
DAS CBF: F:\Programme\DAS\comdat\pkw\cbf
Xentry SMR: F:\Programme\Xentry\Kontexte\ODXProjekte
Xentry CBF: F:\Programme\Xentry\MB_PKW\Caesar\cbf
CFF file： F:\Programme\SDFlash\Release\PKW
CFF file： E:\Programme\SDFlash\Release\PKW

1.1.2 Explainations of ECUs and CBF names

Beginning names of the CBFs.

Engine ECU:
ME97 ME97AMG MED97 MED97AMG SIM271KE SIM271DE MED177 MED178 MED40 CR60LS CDI6BIN5EU6

Airbag ECU:
ORC ARCADE SRS

Power steering ECU:
ISM DSM A80

Gearbox ECU:
VGSNAG2 VGS4NAG2 VGSNAG3

SEATBELT ECU:
RBTM ETR

Steering Column ECU:
SCCM N80

Headlamp ECU:
HLC LCU LED

Headlight ECU:
HLI HLM ALWR

SAM Modul front:
SAMF SAMV
CBC --> 166sam
CBCBOLERO

SAM Modul rear:
SAMR SAMH

Electronic stability system brake system ECU:
ESP RBS ABR

Fuel pump control unit ECU:
FSCU08 FSCM

Instrument Cluster ECU:
KI IC

Central Gateway ECU:
CGW ZGW

Ignition Switch ECU:
EZS EIS

Suspension ECU:
LF SPC airmatic

Air Condition ECU:
HVAC

Comand:
HU

Left front door control ECU:
DMFL

Right front door control ECU:
DMFR

Left rear door control ECU:
DMRL

Right rear door control ECU:
DMRR

Diver Seat ECU:
SEATD

Passenger Seat ECU:
SEATP

Electronic parking brake control ECU:
EPKB

1.1.3 Explainations for SMR-D Files

Electric tailgate ECU:
PTCM

Left front door ECU:
DMFL

Right front door ECU:
DMFR

Left rear door ECU:
DMRL

Right rear door ECU:
DMRR

Shift ECU:
DSM

SAM front ECU:
BC-F

SAM rear ECU:
BC-R

Comand:
HU5

Ignition Switch ECU:
EIS

Rear view camera cover ECU:
CPF

Air Conditioner:
HVAC

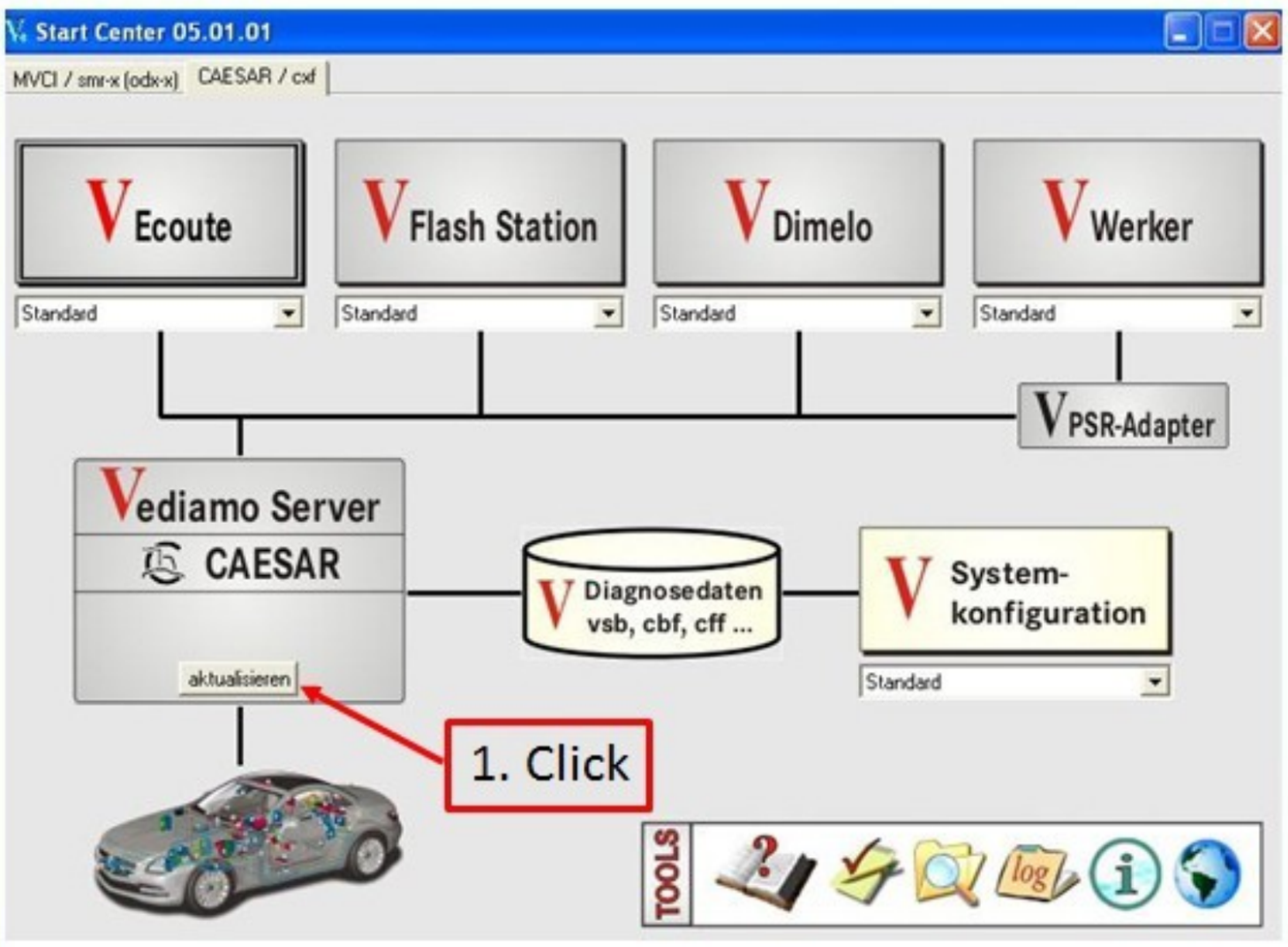
Instrument Cluster ECU:
IC

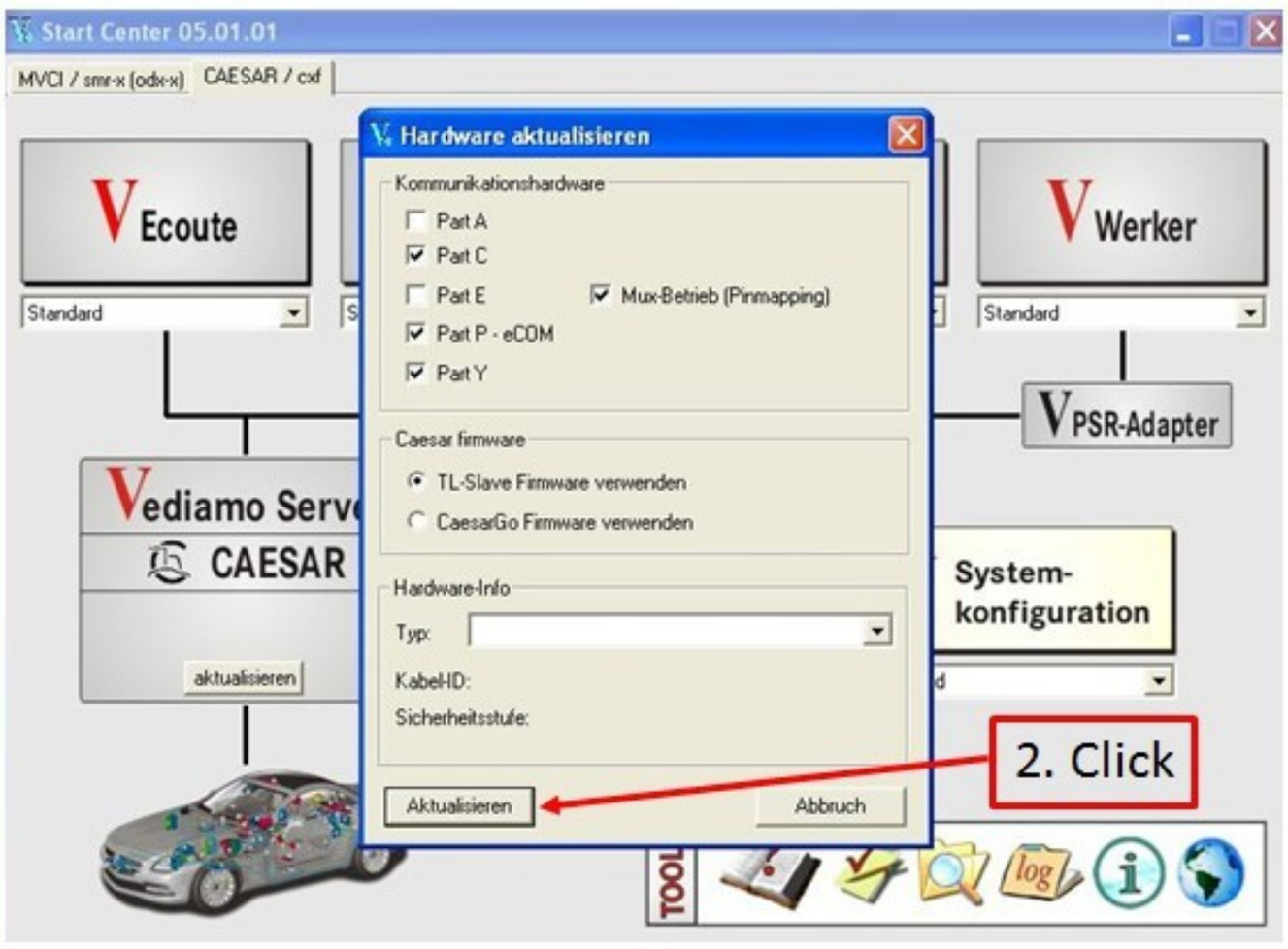
Windshield HUD ECU:
HUD

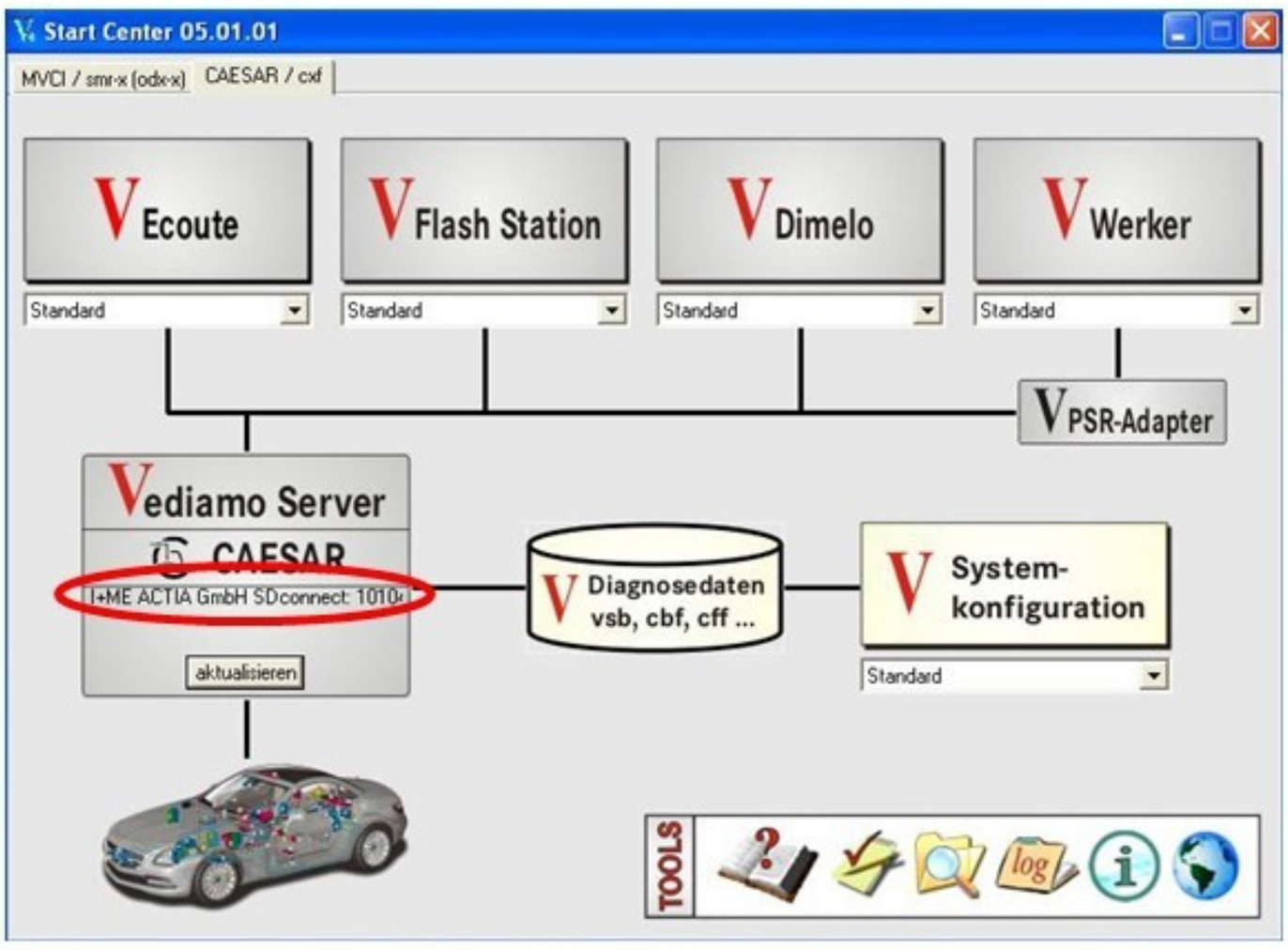
Rear view camera ECU:
RVC

Seat Belt ECU:
RBTM

1.2 SD Connect C4 usage

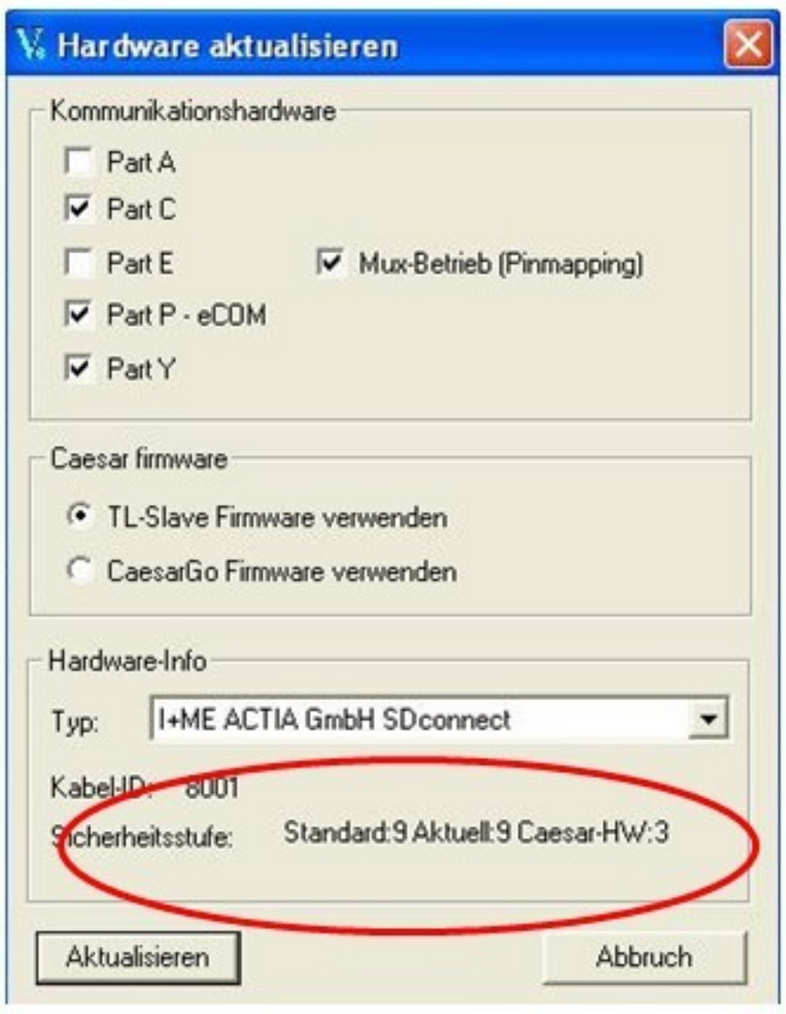






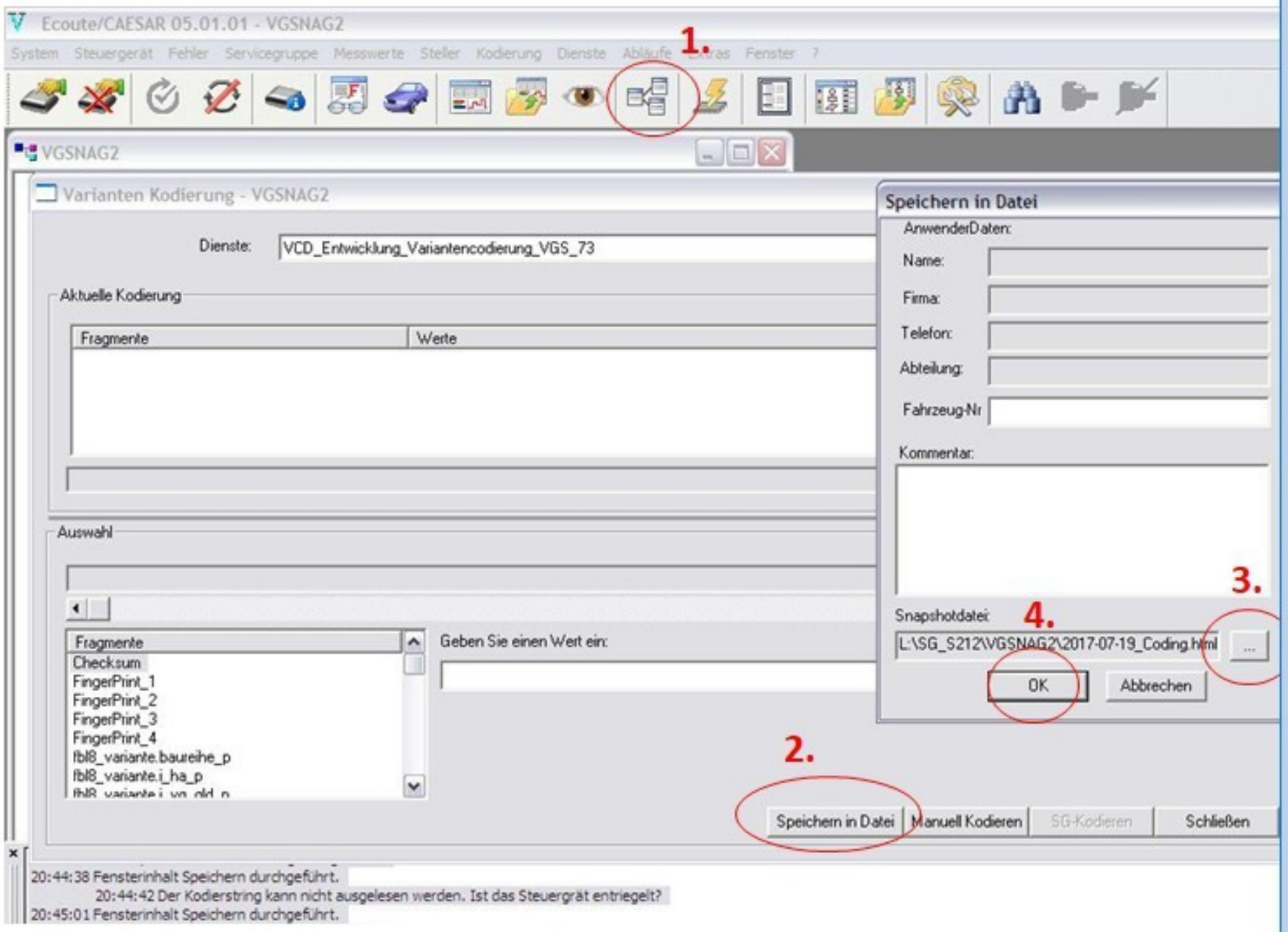
The notication should appear after the update.

For a the secure level check of your C4 please click once again at update/aktualisieren.



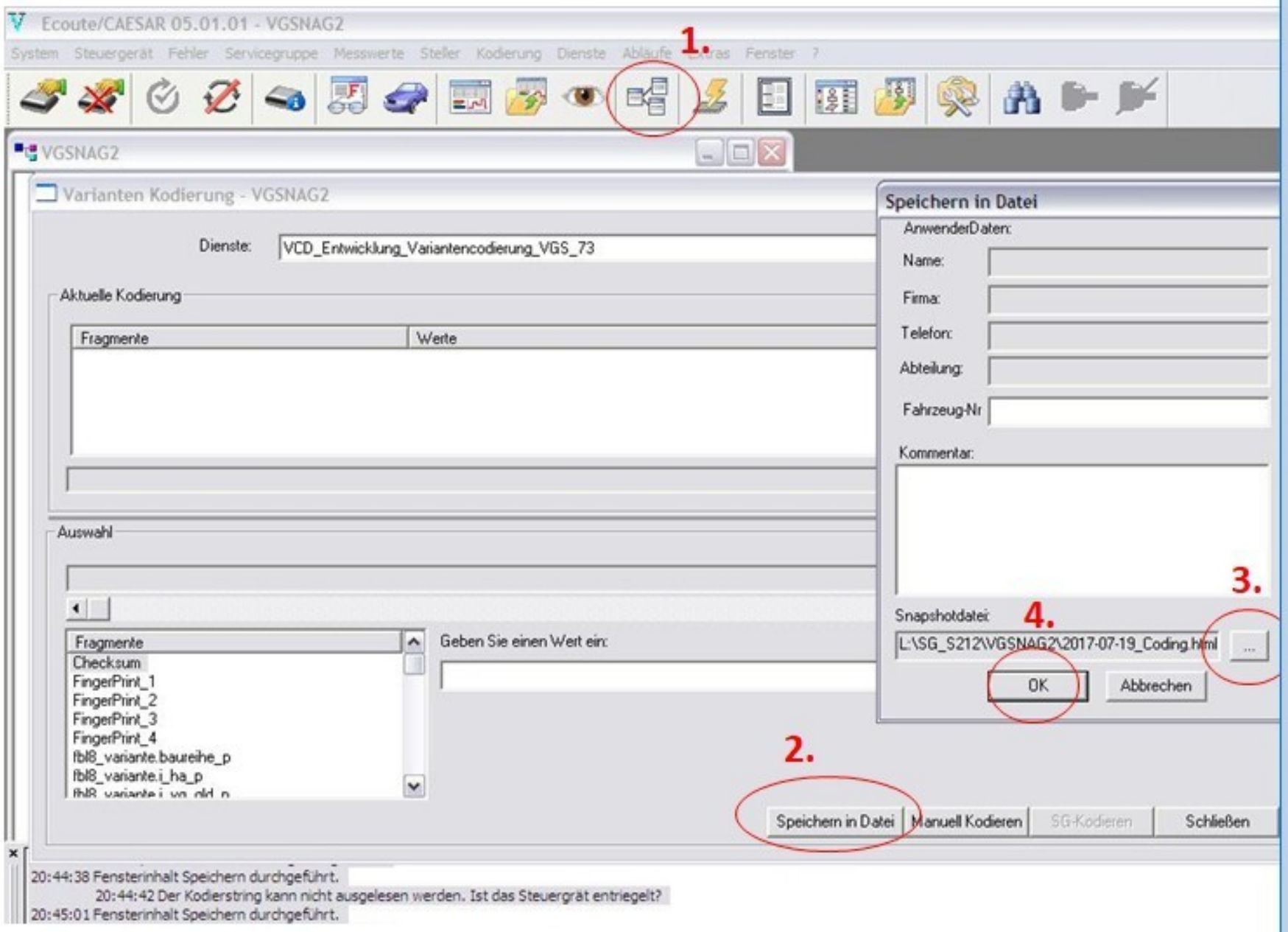
1.5.2 Backup variant coding

click at Button 1
click at Button 2
click at Button 3 and choose filename and folder for save
Click at Button 4



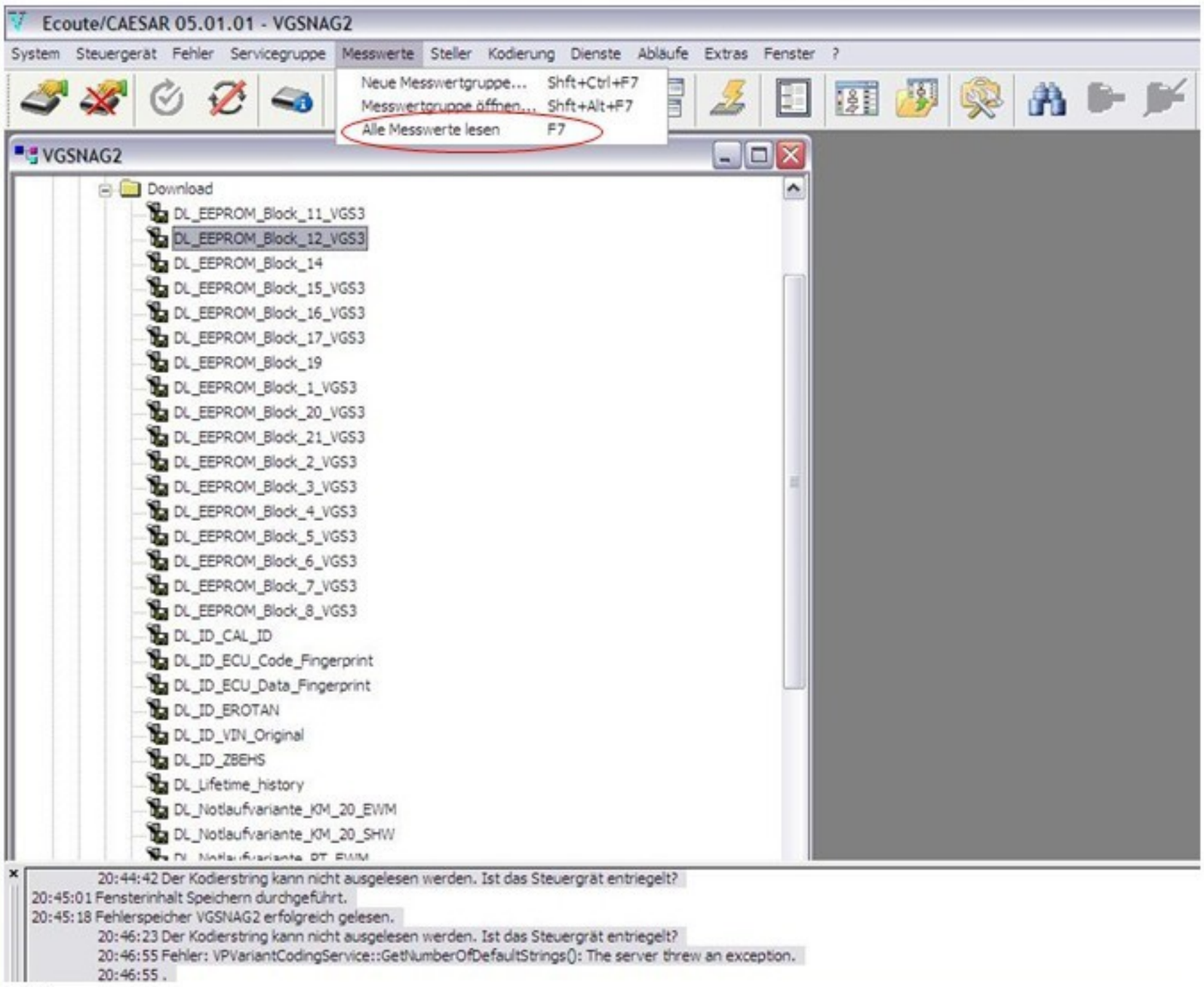
1.5.2 Backup variant coding

click at Button 1
click at Button 2
click at Button 3 and choose filename and folder for save
Click at Button 4

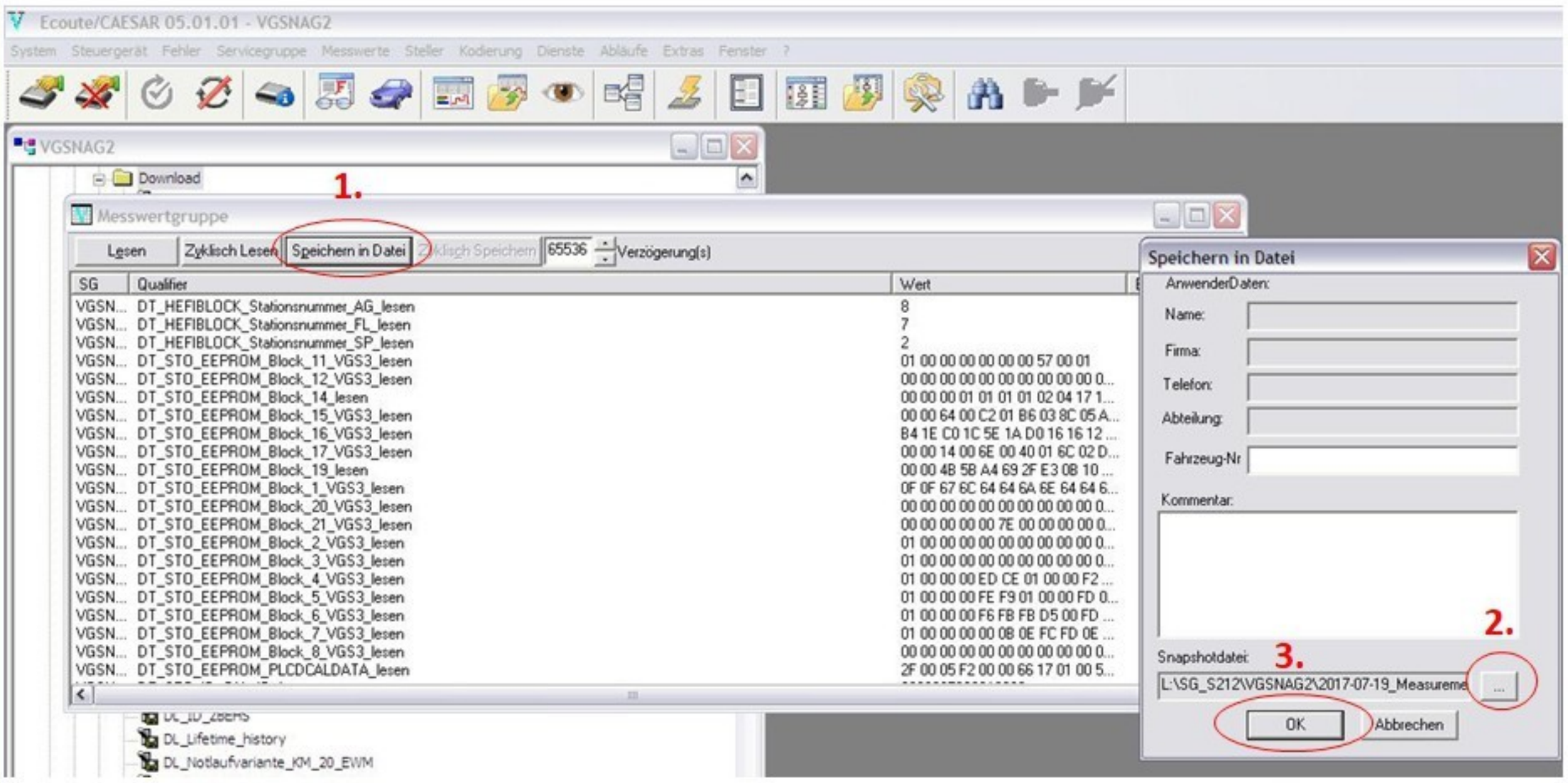


1.5.3 Backup Measurement and calibration data

click at "alle Messwerte lesen"



click at Button 1.
click at Button 2. and choose the filename and folder
click at Button 3.



1.6 Restoring ECU Data

- Restore Variant coding
- Restore Measurment/Calibration data

1.6.1 Restore variant codings by copy & paste

Unlock ECU.

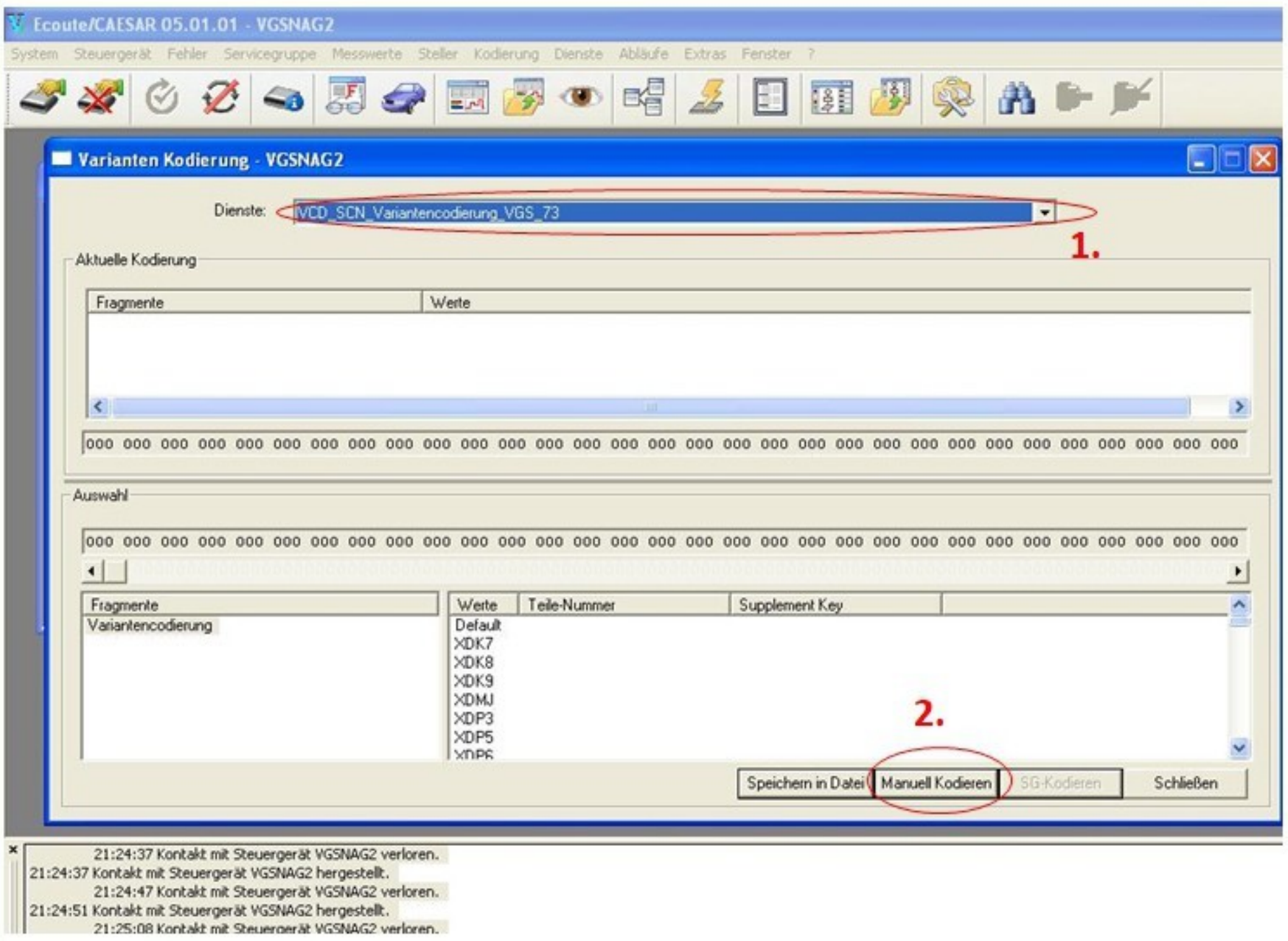
open the saved coding backup html
this is just an example vor VCD_SCN_Variantencodierung_VGS_73
Copy The Kodierstring (CTRL+C or STRG+C)

Kodierdienst: 2.VCD_SCN_Variantencodierung_VGS_73

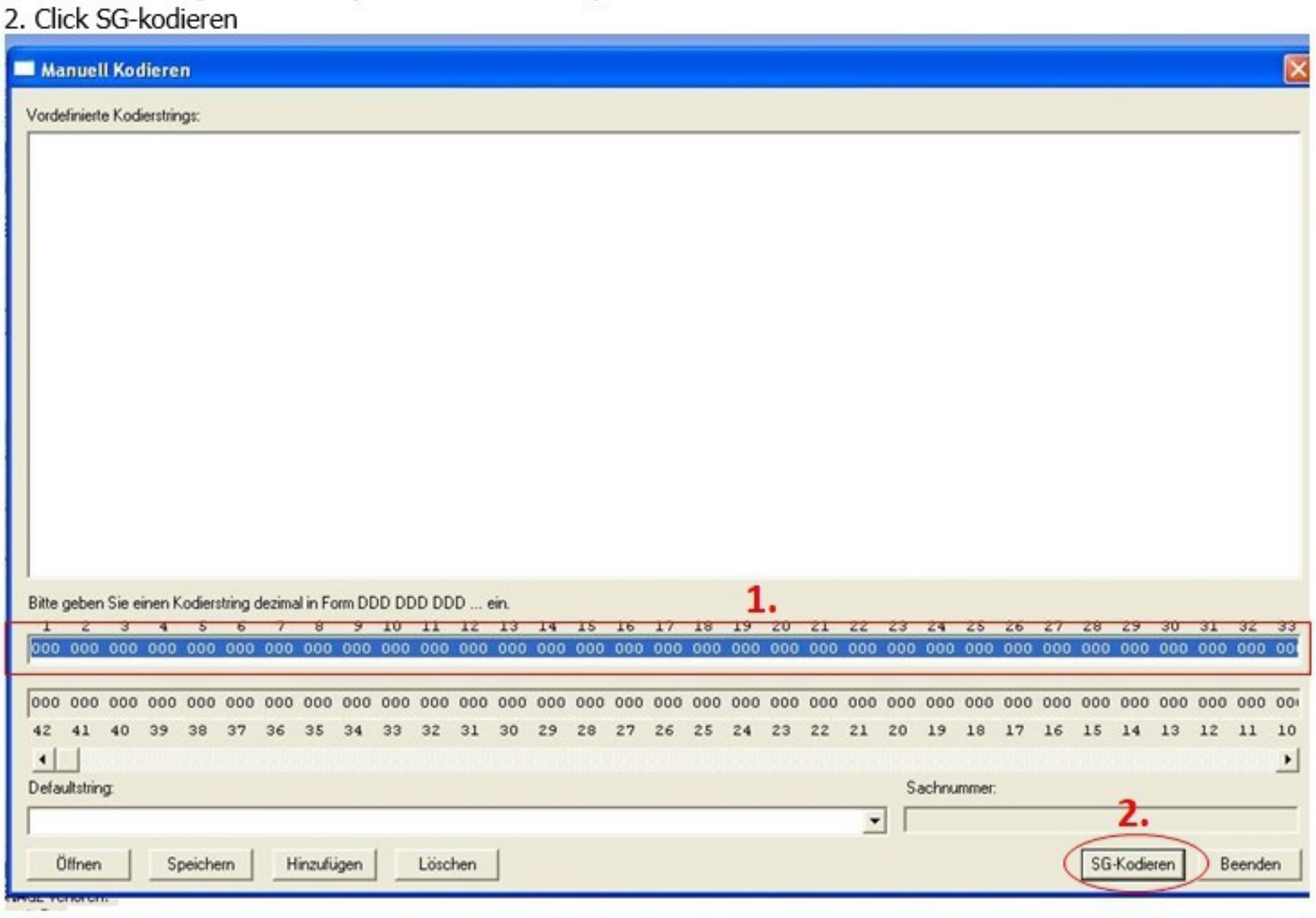
Fragmente	Werte
Variantencodierung	Y2SN

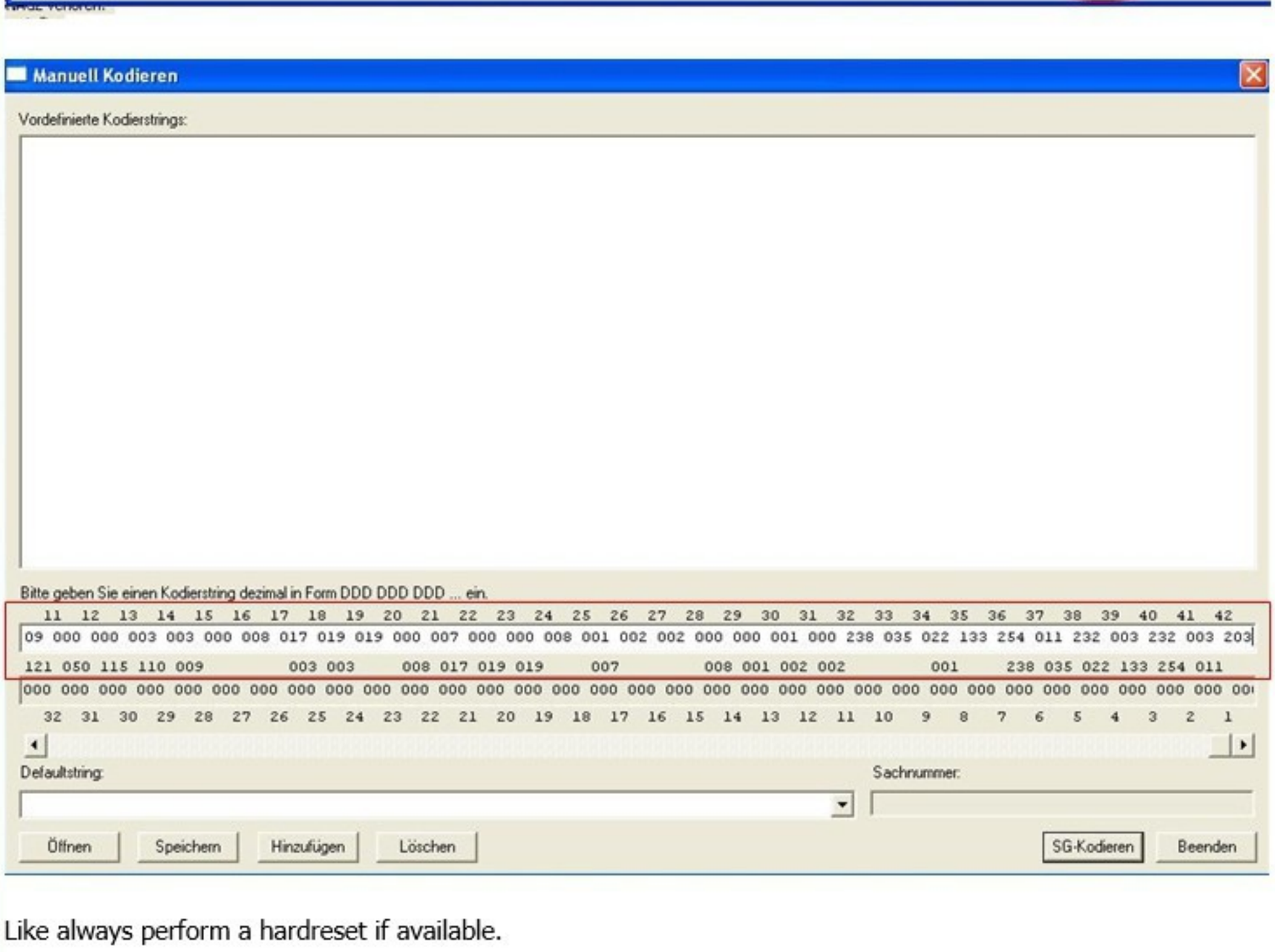
Kodierstring 121 050 115 110 009 000 000 003 003 000 008 017 019 019 000 007 000 000 008 001 002 002 000 000 001 000 238 035 022 133 254 011 232 00
Dez.: 003 203 007 094 001 156 159

1.) go to the variant coding and switch to the VCD_SCN Varinatcodierung_VGS_73
2.) and click at manuell codieren



1.Paste the string in the field (CRTL+V or STRG+V)
2. Click SG-kodieren





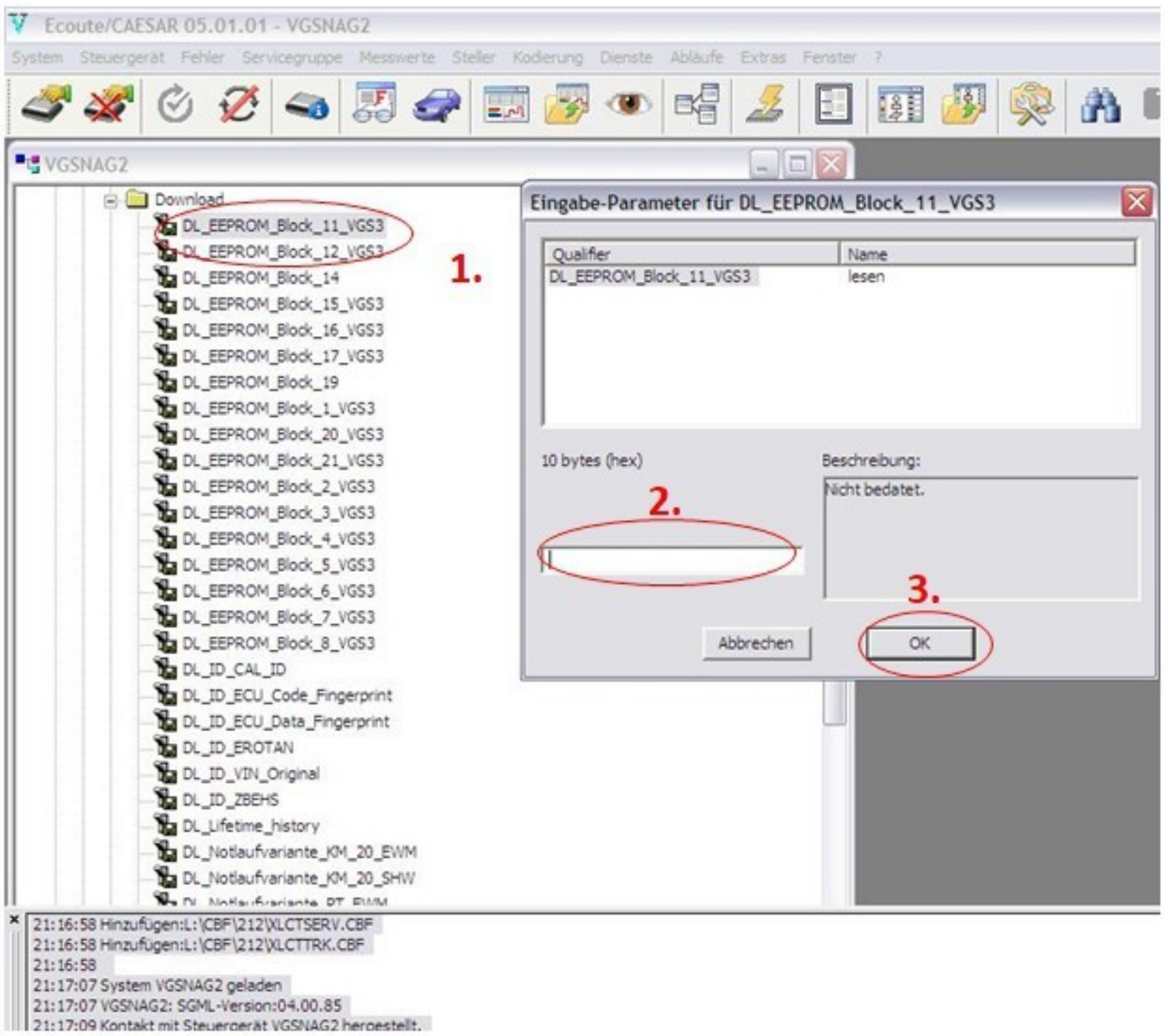
Like always perform a hardreset if available.

1.6.2 Restore measurement/calibration data from former ECU

open saved measurement/calibration data
Search for DL_EPPROM Block positions
Copy the string (CTRL+C or STRG+C)
In this example for EEprom Block 11 VGS3 lesen

VGSNAG2	DT_HEFIBLOCK_Pruefzeit_FL_lesen	1218
VGSNAG2	DT_HEFIBLOCK_Pruefzeit_SP_lesen	738
VGSNAG2	DT_HEFIBLOCK_Stationsnummer_AG_lesen	8
VGSNAG2	DT_HEFIBLOCK_Stationsnummer_FL_lesen	7
VGSNAG2	DT_HEFIBLOCK_Stationsnummer_SP_lesen	2
VGSNAG2	DT_STO_EEPROM_Block_11_VGS3_lesen	01 00 00 00 00 00 00 57 00 01
VGSNAG2	DT_STO_EEPROM_Block_12_VGS3_lesen	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 03
VGSNAG2	DT_STO_EEPROM_Block_14_lesen	00 00 00 01 01 01 01 02 04 17 12 09 07 38 19 01 10 12 18 19 01 10 12 28 02 07 08 00 00 00 02 56 92 78 02 56 92 78 00 00 04 10 60 04 10 04 00 00 00 01 85 10 03 00 00 00 00 00 68 A4 70 5C 80 AE
VGSNAG2	DT_STO_EEPROM_Block_15_VGS3_lesen	00 00 64 00 C2 01 B6 03 8C 05 A8 07 00 0A AC 0D 8A 11 F8 16 16 1C 12 20 00 00 64 00 FE 01 1A 04 F0 05 2A 08 82 0A 42 0E 20 12 8E 17 66 1C CC 1F 00 00 64 00 12 02 24 04 18 06 48 08 B4 0A 7E 0E 5C 12 D4 17 C0 1C 80 20 00 00 04 01 54 01 9A 01 CC 01 FE 01 30 02 76 02 BC 02 20 03 84 03 4C 04 6F 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
VGSNAG2	DT_STO_EEPROM_Block_16_VGS3_lesen	B4 1E C0 1C 5E 1A D0 16 16 12 AC 0D BE 0A BC 07 E2 04 6C 02 64 00 00 00 00 1E 66 1C 0E 1A 94 16 02 12 AC 0D B4 0A C6 07 00 05 8A 02 64 00 00 00 BA 1D 34 1C DC 19 44 16 DA 11 8E 0D AA 0A BC 07 F6 04 80 02 64 00 00 00 74 1D 02 1C C8 19 8A 16 EE 11 8E 0D A0 0A A8 07 EC 04 76 02 78 00 00 00 00 00 C8 00 2C 01 90 01 F4 01 44 02 76 02 A8 02 DA 02 0C 03 52 03 E8 03

double click at Button 1
Paste the string in field 2 (CRTL + v or STRG+v)
click Button 2



Do this process for all EEPROM Blocks

1.7 Seed key explanaitions

Explaination:
Seed-key security is used by some communication protocols to gain access to ECU functions,
which are therefore protected from unauthorised access.
The basic idea is that the ECU provides a seed -- a short string of byte values -- and
the tool is required to transform that seed into a key using a secret algorithm.
The ECU applies the same algorithm internally, and compares the key value given by
the tool to its own value. If the two agree, the tool is assumed to "know" the secret
algorithm, and access is authorised.

You need SEED KEY in case if your ECU can't be UNLOCK for variant coding with "Steuergerat entriegeln (DJ_Zugriffsberechtigung)"
And when you try to change variant codings you will have error.

Use the explainations of chapter 1.10.2 becuase this saves you time.
No need to search then.

1.7.1 ECUs with seed key

ECUs with seed key protection (these are not all ECUs)

MED40
MED40AMG
MED 177
MED1775
CR61
CR60NFZ
CR41
CR41R
CR43
CR43_T1N
SIM271DE20
CRD3S2
CRD3NFZ

1.7.2 UDS/Manual Method - Seed key insertion (fast method)

Instruction for CBF file (Vediamo):

1. Start Vediamo and connect to ECU thru CBF file. For example I will use MED40
2. Press F12 or right click on ECU and choose MANUAL COMMAND INPUT
3. Input 27 0B - this is command for ECU to send you SEED KEY REQUEST 67 0B xx xx xx xx xx
4. Then you will need send this REQUEST to ME)) or someone who will calculate SEED KEY ANSWER for you.
5. When you will have SEED KEY ANSWER you need enter 27 0C xx xx xx xx . If ECU answer 67 0C it's mean ECU UNLOCKED. If ECU answer 7F XX XX it's mean SEED KEY wrong. Check if SEED KEY is right.
6. DONE! You can change variant coding now. ECU will be UNLOCKED until ECU will RESET or DISCONNECTED.

Instruction for SMR-D file (Vediamo):

1. Start Vediamo and connect to ECU thru SMR-D file. For example I will use MED40
2. Go to SECURITY ACCESS or Press F12 or right click on ECU and choose MANUAL COMMAND INPUT
3. If you in SECURITY ACCESS press Request_Seed_Variantcoding and you will have Request_Seed: XX XX XX XX If use other way Input 27 0B - this is command for ECU to send you SEED KEY REQUEST 67 0B xx xx xx xx xx
4. Then you will need send this REQUEST to ME)) or someone who will calculate SEED KEY ANSWER for you.
5. Press Send_Key_Variantcoding and enter XX XX XX XX. Or if use other way enter 27 0C xx xx xx xx . If ECU answer Send_Key_Variantcoding: eALL_POSITIVE or if use other way 67 0C it's mean ECU UNLOCKED. If ECU answer 7F XX XX it's mean SEED KEY wrong. Check if SEED KEY is right.
6. DONE! You can change variant coding now. ECU will be UNLOCKED until ECU will RESET or DISCONNECTED.

Instruction for SMR-D file (DTS Monaco):

1. Start DTS Monaco and connect to ECU thru SMR-D file. For example I will use MED40
2. Go to SECURITY ACCESS
3. If you in SECURITY ACCESS press Request Seed Variantcoding and you will have Request Seed 0xXXXXXXXX
4. Then you will need send this REQUEST to ME)) or someone who will calculate SEED KEY ANSWER for you.
5. Enter XX XX XX XX in Settings Seed Key and Press Send Key Variantcoding. If ECU answer RESPONSE_PDU 0x67,0C it's mean ECU UNLOCKED. If ECU answer 7F XX XX it's mean SEED KEY wrong. Check if SEED KEY is right.
6. DONE! You can change variant coding now. ECU will be UNLOCKED until ECU will RESET or DISCONNECTED.

Source:
http://mhhauto.com/Thread-INFO-about-SEED-KEY-REQUEST-ANSWER?pid=908822#pid908822

People who sell seed Keys:

http://mhhauto.com/User-viktor
http://www.autoprofessionals.org/member.php?action=profile&uid=45312
http://mhhauto.com/User-Anturage
http://mhhauto.com/User-grajek4

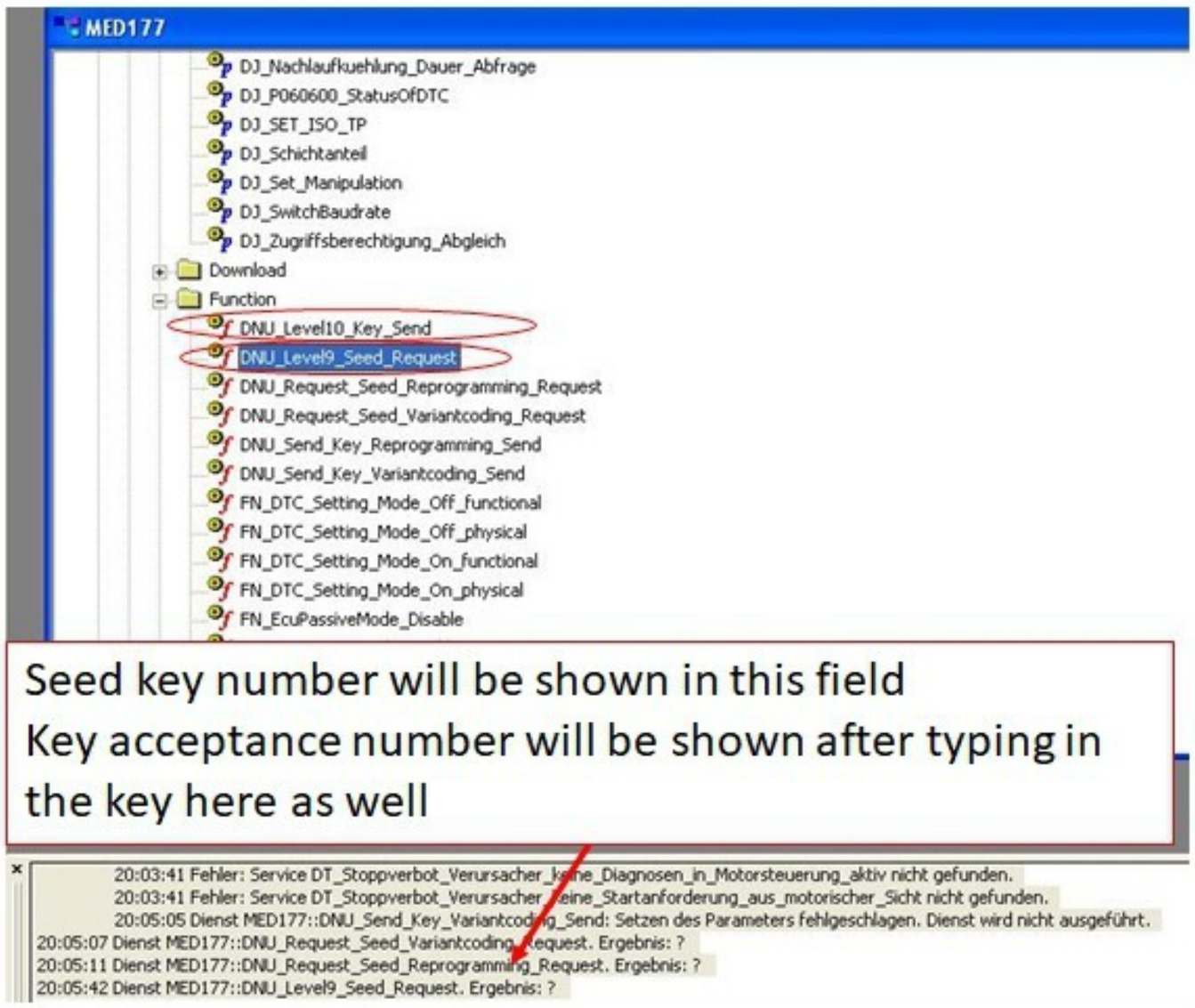
Another possibility to unlock without seed key but with SCN online:

1. Connect plug-in
2. enter via Xentry to MED40,MED177
3. make online SCN - plug-in will break connection
4. enter Vediamo to MED40
5. make variant coding

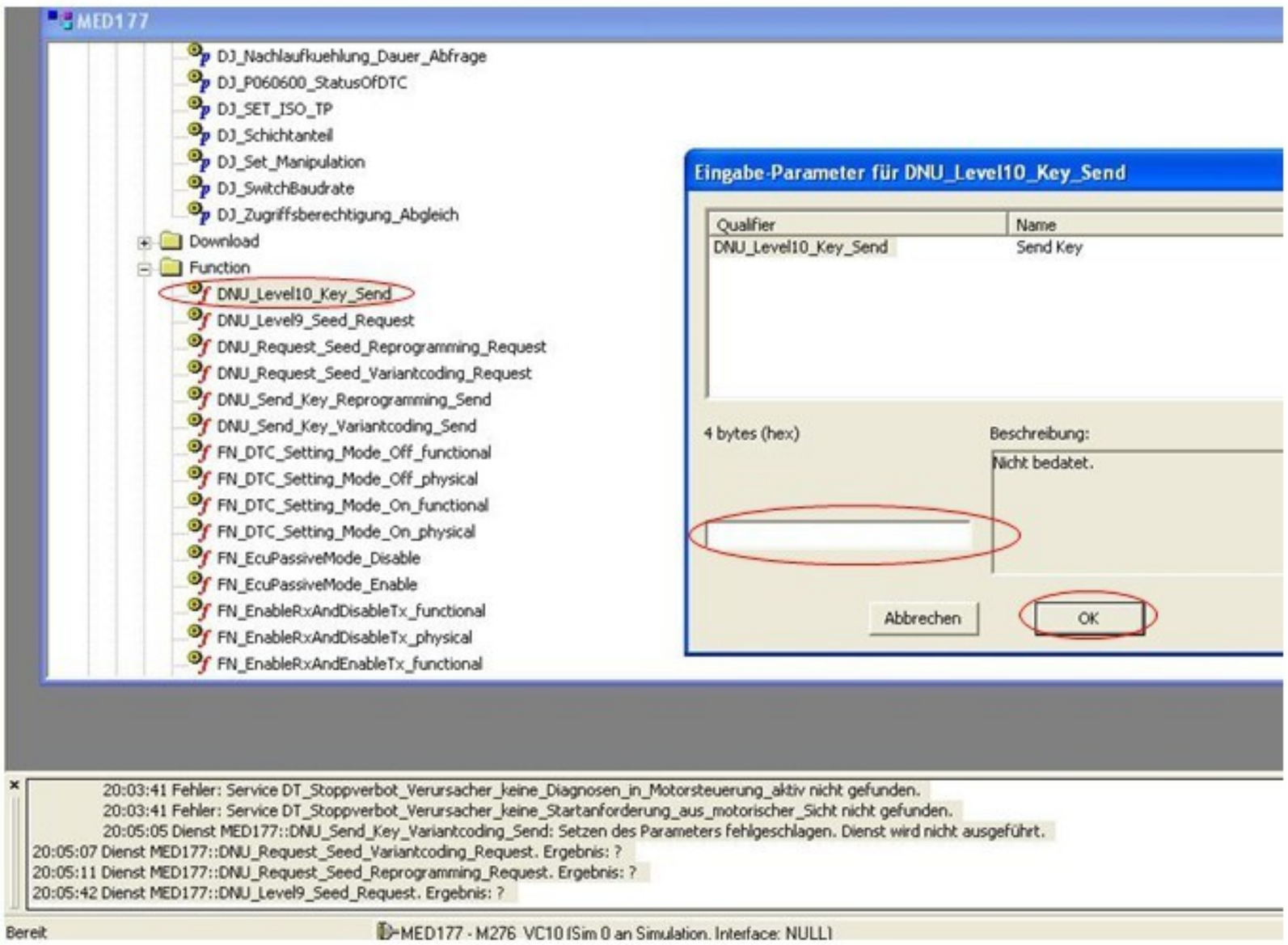
1.7.3 Function search for Seed Key insertion (long method)

This is just a example, so that you know what you need to search for.
In other ECUs this functions may & will be called different

doubleclick at DNU_Level9_Seed_request
Then note the seed numbers shown in the field
and ask somebody who may calculate you the key.



Then doubleclick at send key send.
type in the 4 bytes
and click ok.



2. Vediamo - Variant Coding - Part TWO

The codings has been done at a S212 MJ 02/2010.
These codings may not be found in other carlines or you should search for them at different ECUs positions.
If you choose my mentioned ECU and this ECU is not in your car vediamo give oyu a hint which is the corresponding ECU in your car. You should do a Quicktest in Xentry and save it as PDF.
The PDF contains every ECU name of the car.
So the CBFs could be easier chosen.

Please use these with caution and save always the codings of one ECU before you change anything!!!

2.0.1 R171

Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- remaing fuel
- seatbelt pictogram
- digital date and clock
- Batterie warning pictogram
- pre ignite pictogram

Aircondition:

- ventilation bars
- max cool pictogram
- Hot country
- Airmatic control ECU from facelift in pre-facelift

Comand NTG 1:

- time lag to turn off
- Video in motion
- Curvematic for navigation
- MP3 playback
- Softwareupdate to 30/06

Comand NTG 2.5:

- time lag to turn off
- Softwareupdate 29/09 needed for map update

AMG:

- Vmax change

AMG Tacho Retrofit:

- Hardware needed

PTC/Parktronic:

- Change of volume and frequency

Curve light:

- Usage of fog lights for curves

Pressure control system:

- Warning in case of pressure loss (activated in ESP ECU)

Retrofit of M-Modus:

- Code change in transmission

2.0.2 R230

Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- remaing fuel
- seatbelt pictogram
- digital date and clock
- Batterie warning pictogram
- pre ignite pictogram

Aircondition:

- ventilation bars
- max cool pictogram
- Hot country
- Airmatic control ECU from facelift in pre-facelift

Comand 2.0:

- time lag to turn off
- Video in motion

Comand NTG 1:

- time lag to turn off
- Video in motion
- Curvematic for navigation
- MP3 playback
- Softwareupdate to 30/06

Comand NTG 2.5:

- time lag to turn off
- Softwareupdate 29/09 needed for map update

AMG:

- Vmax change through OBD

AMG Tacho Retrofit:

- Hardware needed

PTC/Parktronic:

- Change of volume and frequency

Curve light:

- Usage of fog lights for curves

Retrofit of M-Modus:

- Code change in transmission

2.0.3 R172 R231

R172:

R231:

Pre-Facelift:

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- coloured instrument cluster update to silver design
- indicator movement at turn on
- AMG-MENU (by Seed keys and Eeprom editing)

Ilumination:
- activation outside sourrounding lighting
- Adjustment of footwell lighting 0-100%

Alarmsystem:
- new functions
- Retrofit by software
- base alarm with horn

Comand NTG 4.5 4.7 und Audio 20:
- time lag to turn off
- Firmwareupdate to 2nd genration design silver
- acoustic POI warner (radar warner)

SLA/GLA:
- Firmware update with new functions
- Retrofit (Requirement COMAND und lane assist)

IHC Retrofit:
- Requirement SLA/GLA oder or lane assist and Xen

Aircondition:
- Airflow pictogram in Auto Modus

PTC/Parktronic:
- Change of volume and frequency
- acoustic sound beginning with first yellow led

R231:
- activation of Fahrdynamik paket

AMG:
- Vmax change

Facelift (Coloured instrument cluster new design / Headunit NTG 5.1)

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- indicator movement at turn on
- AMG-MENU (by Seed keys and Eeprom editing)

Comand NTG 5.1 und Audio 20:
- AMG Menü (just Comand)
- AMG Logo
- Firmwareupdate (DOIP)

GLA/SLA Retrofit:
- Requirement COMAND und lane assist

IHC Retrofit:
- Requirement GLA oder lane assist and Xenon

Alarmsystem:
- new functions
- Retrofit by software
- base alarm with horn

Aircondition:
- 7-Zones
- Airflow pictogram in Auto Modus

PTC/Parktronic:
- Change of volume and frequency
- acoustic sound beginning with first yellow led

R231:
- activation of Fahrdynamik paket

AMG:
- Vmax change

2.0.4 W203 S203 CLC W463

Pre-Facelift:

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- remaing fuel
- seatbelt pictogram
- digital date and clock
- Batterie warning pictogram
- pre ignite pictogram

Aircondition:
- ventilation bars
- max cool pictogram
- Hot country

Comand 2.0 and NTG 2:
- time lag to turn off
- Video in motion

AMG:
- Vmax change

PTC/Parktronic:
- Change of volume and frequency

Curve light:
- Usage of fog lights for curves

Facelift:

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- remaing fuel
- seatbelt pictogram
- digital date and clock
- Batterie warning pictogram
- pre ignite pictogram

Aircondition:
- ventilation bars
- max cool pictogram
- Hot country

Comand 2.0 and NTG 2:
- time lag to turn off

Comand 2.5:
- time lag to turn off
- Firmwareactualization
- Adaption of UCI
- activation of rear view cam (RVC)

AMG:
- Vmax change

AMG Tacho Retrofit:
- Hardware needed

PTC/Parktronic:
- Change of volume and frequency

Curve light:
- Usage of fog lights for curves

2.0.5 W204 S204 X204

Instrument cluster:

- deactivation of seatbelt warning
- remaing fuel
- AMG Menu after firmware update (with transmission oil temperature and digital RPM and power show)

Comand NTG 4

- turn off time after ignition off
- Firmware update with TMCpro
- for some NTG change of HDD needed to 40 GB
- Coding of rearcam, UCI, TV, UHI
- VIM
- reset of Regional Code
- Volume limit change (ECE und US)

APS50

- turn off time after ignition off
- Volume limit change (ECE und US)

Audio20

- turn off time after ignition off
- Volume limit change (ECE und US)Nachlauf

Trunklid for station wagon:

- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Aircondition

- Traficjam modus
- Airflow pictogram in Auto Modus

Retrofit of facelift rear lights

AMG:

- Vmax change

Facelift (Coloured instrument cluster new design / Headunit NTG 4.5 u. 4.7)

Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- remaing fuel
- Firmwareupdate to silver design
- AMG Menu
- AMG Menu with led for diesel engines

Comand NTG 4.5 (4.7) und Audio 20:

- turn off time after ignition off
- Firmware update Generation 2
- silverdesign
- poi waring for radars
- Coding of rearcam, UCI, TV, UHI
- VIM
- reset of Regional Code
- Volume limit change (ECE und US)

GLA/SLA Retrofit:

- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

Trunklid for station wagon:

- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Aircondition

- Traficjam modus
- Airflow pictogram in Auto Modus

Start-Stopp ECO:

- Last-Mode or deactivation

Sun roof:

- Function against noise vibration
- Memory-Funktion

PTC/Parktronic:

- Change of volume and frequency

AMG:

- Vmax change

2.0.6 w205 s205 x253

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- tire pressure bar or psi
- AMG Menu

Start-Stopp ECO:
- Last-Mode or deactivation

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

Wiper automatic deactivation:
- deactivated for rear gear - not explained in FAQ

Comand NTG 5S2
- Firmwareupdate by DOIP MUX (**DO NOT USE C4 CLONE**) - ECOM or original MUX
- AMG/Maybach Startlogo
- Engine data (Torque, power, Oiltemp and Voltmeter)
- Coding of rearcam, UCI, TV, UHI
- VIM just for software 2014-2017
- Internet connection allowed when driving
- Reset of regional code

AMG:
- Vmax change

GLA/SLA Retrofit:
- Requirement lane assist - COMAND is not necessary anymore
- firmware update for additional functions
- activation of all countries

IHC (Plus) Retrofit
- Requirement is camera in windshield and ILS or high perfromance healdights
- Software update of camera for additional functions

Trunklid for station wagon:
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

PTC/Parktronic:
- acustic alarm from first yellow led

ESP Automatic brake
- deactivation of autimatic brake

DLR for Skandinavia
- DLR togerther with rear lights

Turn signal flasher
- change of turn signal count

foot well lights
- change of foot well lights (0-100 %)

locating lights turn on
- headlight
- Time of orientationlight
- etc.

Change of closing and opening flashes of turn signal
- 1-5 times

2.0.7 W211 S211 W219 W209

W211/S211

W219

W209 (pre facelift / facelift)

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- remaing fuel
- seatbelt pictogram
- digital date and clock
- pre ignite pictogram

Aircondition:
- ventilation bars
- max cool pictogram
- Hot country
- possible change to facelift buttons

Comand NTG 1:
- time lag to turn off
- Video in motion
- Curvematic for navigation
- MP3 playback
- Softwareupdate to 30/06

AMG:
- Vmax change

PTC/Parktronic:
- Change of volume and frequency

Facelift (2006):

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- remaing fuel
- seatbelt pictogram
- digital date and clock
- Batterie warning pictogram
- pre ignite pictogram

Aircondition:
- ventilation bars
- max cool pictogram
- Hot country

Comand NTG 1:
- time lag to turn off
- Video in motion
- Curvematic for navigation
- MP3 playback

Comand NTG 2.5
- time lag to turn off
- Firmware update
- adaption of UHI
- unlock of rearcam

AMG:
- Vmax change

PTC/Parktronic:
- Change of volume and frequency

Trun lights
- Using fog lights for enlightsment of street at turning area (since 2005)

2.0.8 W218 X218

Instrument cluster:
- deactivation of seatbelt warning
- remaining fuel
- AMG Menu
- Firmware updaqte to new design Papyrus

Comand NTG 4 and Audio 20:
- turn off time after ignition off
- Firmware update fro Bluetooth streaming
- Coding of rearcam, UCI, TV, UHI
- VIM
- reset of Regional Code

APS50
- turn off time after ignition off

GLA/SLA Retrofit:
- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

Aircondition
- 7 different possible choices
- Airflow pictogram in Auto Modus

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

Trunklid
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

DLR togetehr with headlight
- Activation of LED stripe for all headlights

Wiper automatic deactivation for shooting brake:
- deactivated for rear gear - not explained in FAQ

PTC/Parktronic:
- acustic alarm from first yellow led (since MY 2010)

Transmission M-Modus
- Manual Shifting with paddels or shiftarm
- M-Modus

Sun roof:
- Function against noise vibration
- Memory-Funktion

AMG:
- Vmax change

Small facelift (Coloured IC and Headunit NTG 4.5) (middle MY2011)

Instrument cluster:
- deactivation of seatbelt warning
- remaining fuel
- AMG Menu
- Flash to silver design

Comand NTG 4.5 und Audio 20
- turn off time after ignition off
- Firmware update to second Silver design
- acoustic Point of interest warner (radar)
- Coding of rearcam, UCI, TV, UHI
- VIM
- reset of Regional Code

APS50
- turn off time after ignition off

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

GLA/SLA Retrofit:
- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

DLR togetehr with headlight
- Activation of LED stripe

Trunklid
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Aircondition
- 7 different possible choices
- Airflow pictogram in Auto Modus

Wiper automatic deactivation for shooting brake:
- deactivated for rear gear - not explained in FAQ

PTC/Parktronic:
- acustic alarm from first yellow led
- change of volume and frequency

Sun roof:
- Function against noise vibration
- Memory-Funktion

Transmission M-Modus
- Manual Shifting with paddels or shiftarm
- M-Modus

- Airflow pictogram in Auto Modus

Wiper automatic deactivation for shooting brake:
- deactivated for rear gear - not explained in FAQ

PTC/Parktronic:
- acustic alarm from first yellow led
- change of volume and frequency

Sun roof:
- Function against noise vibration
- Memory-Funktion

Transmission M-Modus
- Manual Shifting with paddels or shiftarm
- M-Modus

AMG:
- Vmax change

Facelift (Coloured IC with 3-rings / Headunit NTG 4.5 u. 4.7)

Instrument cluster:
- deactivation of seatbelt warning
- remaining fuel
- AMG Menu
- Flash to silver design

Comand NTG 4.5, NTG 4.7 und Audio 20
- turn off time after ignition off
- Firmware update
- acoustic Point of interest warner (radar)
- Coding of rearcam, UCI, TV, UHI
- VIM
- reset of Regional Code

GLA/SLA Retrofit:
- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

Trunklid
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Wiper automatic deactivation for shooting brake:
- deactivated for rear gear - not explained in FAQ

Aircondition
- 7 different possible choices
- Airflow pictogram in Auto Modus

PTC/Parktronic:
- acustic alarm from first yellow led

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

Sun roof:
- Function against noise vibration
- Memory-Funktion

PTC/Parktronic:
- acustic alarm from first yellow led

Start-Stopp ECO
- Last-Mode or deactivation

Transmission M-Modus
- Manual Shifting with paddels or shiftarm
- M-Modus

AMG:
- Vmax change

Facelift (Coloured IC 3-Rings / Headunit NTG 5.1)

Instrument cluster:
- deactivation of seatbelt warning
- remaining fuel
- AMG Menu
- remaining range

Comand NTG 5.1 und Audio 20 (Garmin)
- turn off time after ignition off
- AMG-menu
- remaining fuel
- Coding of rearcam, UCI, TV, UHI
- VIM
- reset of Regional Code

GLA/SLA Retrofit:
- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

Trunklid
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Aircondition
- 7 different possible choices
- Airflow pictogram in Auto Modus

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

Wiper automatic deactivation for shooting brake:
- deactivated for rear gear - not explained in FAQ

Sun roof:
- Function against noise vibration
- Memory-Funktion

PTC/Parktronic:
- acustic alarm from first yellow led

Start-Stopp ECO
- Last-Mode or deactivation

Transmission M-Modus
- Manual Shifting with paddels or shiftarm
- M-Modus

AMG:
- Vmax change

2.0.9 W212 S212 A207 C207

W212/S212 facelift

A207/C207

Pre facelift:

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- remaining liters
- tire pressure bar or psi
- AMG Menu

Comand NTG 4 und Audio 20
- turn off time after ignition off
- Firmware update with bluetooth streaming
- Coding of rearcam, UCI, TV, UHI
- VIM by modul
- reset of Regional Code

APS50
- turn off time after ignition off

Retrofit of M-Modus:
- Code change in transmission

Start-Stopp ECO
- deactivation or last mode

GLA/SLA Retrofit:
- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

Aircondition
- 7 possible air flows
- Airflow pictogram in Auto Modus

Sun roof:
- Function against noise vibration
- Memory-Funktion

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

Trunklid for station wagon:
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Rear lights (staion wagon and sedan)
- activation of sidemarkers

Wiper automatic deactivation for station wagon:
- deactivated for rear gear - not explained in FAQs

PTC/Parktronic:
- acustic alarm from first yellow led (since Modell 2010)

AMG:
- Vmax change

Facelift 1 (Colour IC w Headunit NTG 4.5) (middle 2011)

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- remaining liters
- flash to silver design
- tire pressure bar or psi
- AMG Menu

Comand NTG 4.5 und Audio 20
- turn off time after ignition off
- Firmware update to generation 2 Silver design
- acustic poi warner (radars)
- Coding of rearcam, UCI, TV, UHIl
- reset of Regional Code

APS50
- turn off time after ignition off

EDW / alarm system by software

Rear lights (staion wagon and sedan)
- activation of sidemarkers

Wiper automatic deactivation for station wagon:
- deactivated for rear gear - not explained in FAQs

Trunklid for station wagon:
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Aircondition
- 7 possible air flows
- Airflow pictogram in Auto Modus

Sun roof:
- Function against noise vibration
- Memory-Funktion

PTC/Parktronic:
- acustic alarm from first yellow led

Retrofit of M-Modus:
- Code change in transmission

Start-Stopp ECO
- deactivation or last mode

AMG:
- Vmax change

Facelift 2 (Colour IC 3-rings / Headunit NTG 4.5 u. 4.7)

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- remaining liters
- tire pressure bar or psi
- AMG Menu

Comand NTG 4.5, NTG 4.7 und Audio 20
- turn off time after ignition off
- Firmware update
- Coding of rearcam, UCI, TV, UHIl
- reset of Regional Code

GLA/SLA Retrofit:
- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

Trunklid for station wagon:
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Aircondition
- 7 possible air flows
- Airflow pictogram in Auto Modus

Sun roof:
- Function against noise vibration
- Memory-Funktion

PTC/Parktronic:
- acustic alarm from first yellow led

Retrofit of M-Modus:
- Code change in transmission

Start-Stopp ECO
- deactivation or last mode

AMG:
- Vmax change

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

Facelift 3 (Coloured IC 3-rings / Headunit NTG 5.1)

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- remaining liters
- tire pressure bar or psi
- AMG Menu

Comand NTG 5.1 und Audio 20 (Garmin)
- turn off time after ignition off
- Firmware update
- AMG menu
- remaining liters
- Coding of rearcam, UCI, TV, UHIl
- reset of Regional Code

GLA/SLA Retrofit:
- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

Trunklid for station wagon:
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Aircondition
- 7 possible air flows
- Airflow pictogram in Auto Modus

Sun roof:
- Function against noise vibration
- Memory-Funktion

PTC/Parktronic:
- acustic alarm from first yellow led

Retrofit of M-Modus:
- Code change in transmission

Start-Stopp ECO
- deactivation or last mode

AMG:
- Vmax change

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

2.0.10 W213

Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- remaing fuel in liter than in percantage (just digital IC)
- tire pressure in BAR or PSI

Start-Stopp ECO

- deactivation for all models

Comand NTG 5

- turn off time after ignition off
- AMG-startlogo
- Maybach Startlogo
- remaining fuel
- Coding of rearcam, UCI, TV, UHI
- VIM
- reset of Regional Code
- youtube video
- engine data (Torque, power, oiltemp, voltmeter)

AMG:

- Vmax change

GLA/SLA Retrofit:

- Requirement just with lane assist (COMAND not needed)
- firmware update for additional functions
- activation of all countries

IHC (Plus) Retrofit

- Requirement is camera in windshield and ILS or high perfromance healdights
- Software update of camera for additional functions

Trunklid

- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

PTC/Parktronic:

- acustic alarm from first yellow led
- change of volume and frequency

2.0.11 W176 W246 W117 C117 X117 X156

W176

W246

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- AMG Menu

Comand NTG 4.5 4.7 und Audio 20
- turn off time after ignition off
- Firmware update to silver design and new functions
- acoustic Point of interest warner (radar)
- Coding of rearcam, UCI, TV, UHI
- activation of online function
- MPC
- reset of Regional Code

GLA/SLA Retrofit:
- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

foot well lights
- change of foot well lights (0-100 %)

Aircondition
- Airflow pictogram in Auto Modus

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

PTC/Parktronic:
- acustic alarm from first yellow led
- volume and frequency change

Vmax change:
Vmax --> A45 AMG --> 275 km/h
Vmax --> standard engines --> 200 km/h to 250 km/h

Facelift (Coloured IC new design / Headunit NTG 5.1)

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- AMG Menu

Comand NTG 5.1 und Audio 20
- turn off time after ignition off
- AMG-menu just for COMAND
- AMG-Logo
- remaining fuel
- activation of online function

GLA/SLA Retrofit:
- Requirement COMAND und lane assist
- firmware update for additional functions
- activation of all countries

Aircondition
- 7 different possible choices
- Airflow pictogram in Auto Modus

EDW / alarm system by software
- alarm by horn just for opening doors - not explained in FAQ

PTC/Parktronic:
- acustic alarm from first yellow led
- volume and frequency change

Vmax change:
Vmax --> A45 AMG --> 275 km/h
Vmax --> standard engines --> 200 km/h to 250 km/h

2.0.12 W251 W164 X164

W251

W164

Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- remaining fuel
- warning signal at rear gear
- seat belt pictogram
- digital date and clock
- pre ignition picture
- AMG menu

Aircondition:

- ventilation bars
- max cool pictogram
- Hot country
- traficjam automatic

Comand NTG 2

- time lag to turn off
- rear cam activation in 164

Comand NTG 2.5

- time lag to turn off
- Firmaware update
- adaption of UHI
- activation of rear cam

AMG:

- Vmax change

PTC/Parktronic:

- Change of volume and frequency

2.0.13 W166 X166 W292

W166

W292

Pre-Facelift:

Instrument cluster:
- deactivation of seatbelt warning
- AMG-MENU (by Seed keys and Eeprom editing)

Comand NTG 4.5 4.7 und Audio 20
- time lag to turn off
- Firmwareupdate to 2nd genration design silver
- acoustic POI warner (radar warner)
- US to ECE coding conversion
- reset regional code

SLA/GLA:
- Firmware update with new functions
- Retrofit (Requirement COMAND und lane assist)

Alarmsystem:
- new functions
- Retrofit by software
- base alarm with horn

IHC Retrofit:
- Requirement SLA/GLA oder or lane assist and Xen

Aircondition:
- Airflow pictogram in Auto Modus
- Hot country
- max cool

PTC/Parktronic:
- Change of volume and frequency
- acoustic sound beginning with first yellow led

Eco Start Stop
- **deactivation or last mode**

AMG:
- Vmax change

VIM:
- Just by modul

DLR options
- together with static light in headlight and rear light

Trunklid for station wagon:
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

Facelift (Coloured IC with new Design / Headunit NTG 5.1)

Instrument cluster:
- deactivation of seatbelt warning
- AMG-MENU (by Seed keys and Eeprom editing)
- remaining range

Comand NTG 5.1 und Audio 20
- time lag to turn off
- AMG Logo
- Enginedata
- reset regional code

SLA/GLA:
- Firmware update with new functions
- Retrofit (Requirement COMAND und lane assist)

DLR options
- together with static light in headlight and rear light

IHC Retrofit:
- Requirement SLA/GLA oder or lane assist and Xen

Aircondition:
- Airflow pictogram in Auto Modus
- Hot country
- max cool

PTC/Parktronic:
- Change of volume and frequency
- acoustic sound beginning with first yellow led

Trunklid for station wagon:
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

AMG:
- Vmax change

VIM:
- Just by modul

2.0.14 W221 W216

W221

W216

Pre-Facelift:

Instrument cluster:

- Seatbelt warning deactivation
- remaining range
- AMG Menu after softwareupdate
- remaing liters
- curvematic (warning by navigation of dangerous areas due to speed)

Comand NTG 3

- time lag to turn off
- Firmwareupdate (TMCpro and ISOview)
- Coding of rear cam, UCI, TV and UHI
- US to ECE coding conversion
- VIM by software (2005-2008)
- reset regional code

Tire pressure control:

- deactivation of due to missing sensors
- activation of tire pressure waring by ESP

AMG:

- Vmax change

Facelift with NTG 3.5

Instrument cluster:

- Seatbelt warning deactivation
- remaining range
- Firmware update
- remaing liters
- EEprom upload (upgrade to AMG IC or Brabus IC)
- AMG start logo (V8 or V12)

Comand NTG 3.5

- time lag to turn off
- Firmwareupdate
- Coding of rear cam, UCI, TV and UHI
- VIM by modul
- reset regional code

SLA/GLA:

- Firmware update with new functions
- Retrofit (Requirement COMAND und lane assist)
- activation of all countries

Tire pressure control:

- deactivation of due to missing sensors
- activation of tire pressure waring by ESP

Trunklid for station wagon:

- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

PTC/Parktronic:

- acoustic sound beginning with first yellow led

AMG:

- Vmax change

2.0.15 W222 W217

W222

Pre facelift:

Instrument cluster:
- deactivation of seatbelt warning
- remaining range
- remaing fuel in liter than in percantage (just digital IC)
- tire pressure in BAR or PSI

Start-Stopp ECO
- deactivation for all models maybe last mode

Comand NTG 5S2
- turn off time after ignition off
- AMG or Maybach startlogo
- Coding of rearcam, UCI, TV, UHI
- VIM by software/coding (2013-2017)
- reset of Regional Code
- youtube video
- engine data (Torque, power, oiltemp, voltmeter)

AMG:
- Vmax change

GLA/SLA Retrofit:
- Requirement just with lane assist (COMAND not needed)
- firmware update for additional functions
- activation of all countries

IHC (Plus) Retrofit
- Requirement is camera in windshield and ILS or high perfromance healdights
- Software update of camera for additional functions

Trunklid
- opening and closing by key no matter if ignition off or on
- Softwareupdate
- opening and closing by button in drivers door

PTC/Parktronic:
- acustic alarm from first yellow led
- change of volume and frequency

ESP Automatic brake
- deactivation of autimatic brake

DLR for Skandinavia
- DLR togerther with rear lights

Turn signal flasher
- change of turn signal count

foot well lights
- change of foot well lights (0-100 %)

locating lights turn on
- headlight
- Time of orientationlight
- etc.

Change of closing and opening flashes of turn signal
- 1-5 times

2.0.16 W447 Vito

Instrument cluster:
- deactivation of seatbelt warning
- AMG Menu
- remaining range
- tire pressure in BAR or PSI

Start-Stopp ECO
- deactivation for all models maybe last mode

Comand NTG 5S2
- turn off time after ignition off
- AMG startlogo
- Coding of rearcam, UCI, TV, UHI
- VIM by software/coding (till 2017)
- reset of Regional Code
- engine data (Torque, power, oiltemp, voltmeter)

AMG:
- Vmax change

EDW Retrofit
- retrofit of original alarmsystem Code 551 for all cars, all parts/assemblies/ECUs are in the car.
  JUST A CODING JOB

GLA/SLA Retrofit:
- Requirement just with lane assist (COMAND not needed)
- firmware update for additional functions
- activation of all countries

IHC (Plus) Retrofit
- Requirement is camera in windshield and ILS or high perfromance healdights
- Software update of camera for additional functions

PTC/Parktronic:
- acustic alarm from first yellow led
- change of volume and frequency

ESP Automatic brake
- deactivation of automatic brake

DLR for Skandinavia
- DLR togerther with rear lights

Turn signal flasher
- change of turn signal count

foot well lights
- change of foot well lights (0-100 %)

locating lights turn on
- headlight
- Time of orientationlight
- etc.

Change of closing and opening flashes of turn signal
- 1-5 times

2.0.17 639

Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- actual consumption
- remaing fuel
- seatbelt pictogram
- digital date and clock
- Batterie warning pictogram
- pre ignite pictogram

Aircondition:

- ventilation bars
- max cool pictogram
- Hot country
- Facelift buttons in prefacelift possible

Comand NTG 2

- time lag to turn off

Comand NTG 2.5

- time lag to turn off
- rearcam activation
- Firmware update 29/09
- adaptoion of antitheft

PTC/Parktronic:

- Change of volume and frequency

Curve light:

- Usage of fog lights for curves

2.0.18 W169 W245

Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- remaing fuel
- seatbelt pictogram
- digital date and clock

Aircondition:

- ventilation bars
- max cool pictogram
- Hot country

Comand, Audio and APS 50 NTG

- time lag to turn off

PTC/Parktronic:

- Change of volume and frequency

Command NTG 2.5

- time lag to turn off
- Firmware update 29.09 need for map updates
- Adaption of UHI
- Activation of rear camera

Curve light:

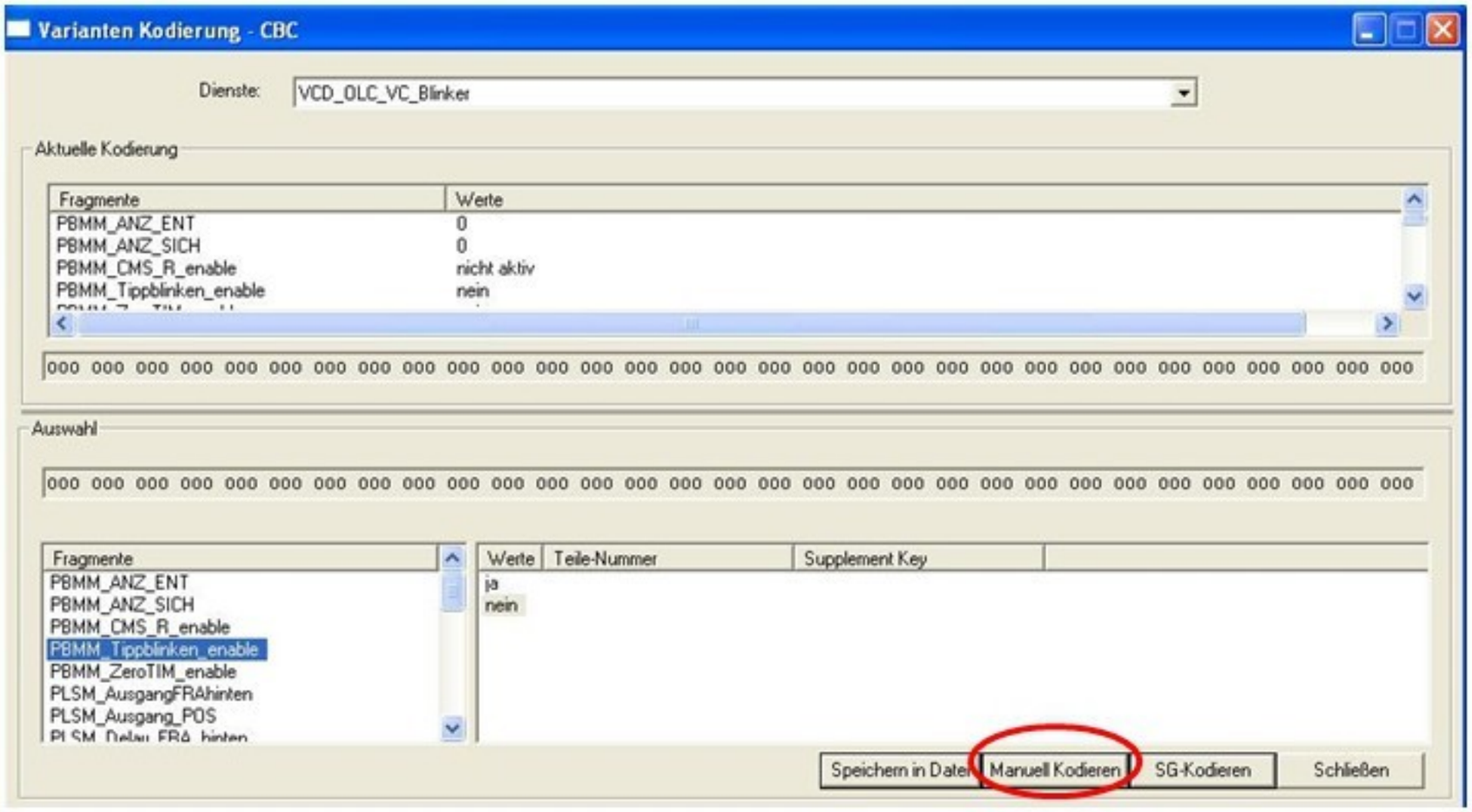
- Usage of fog lights for curves (since 2005)

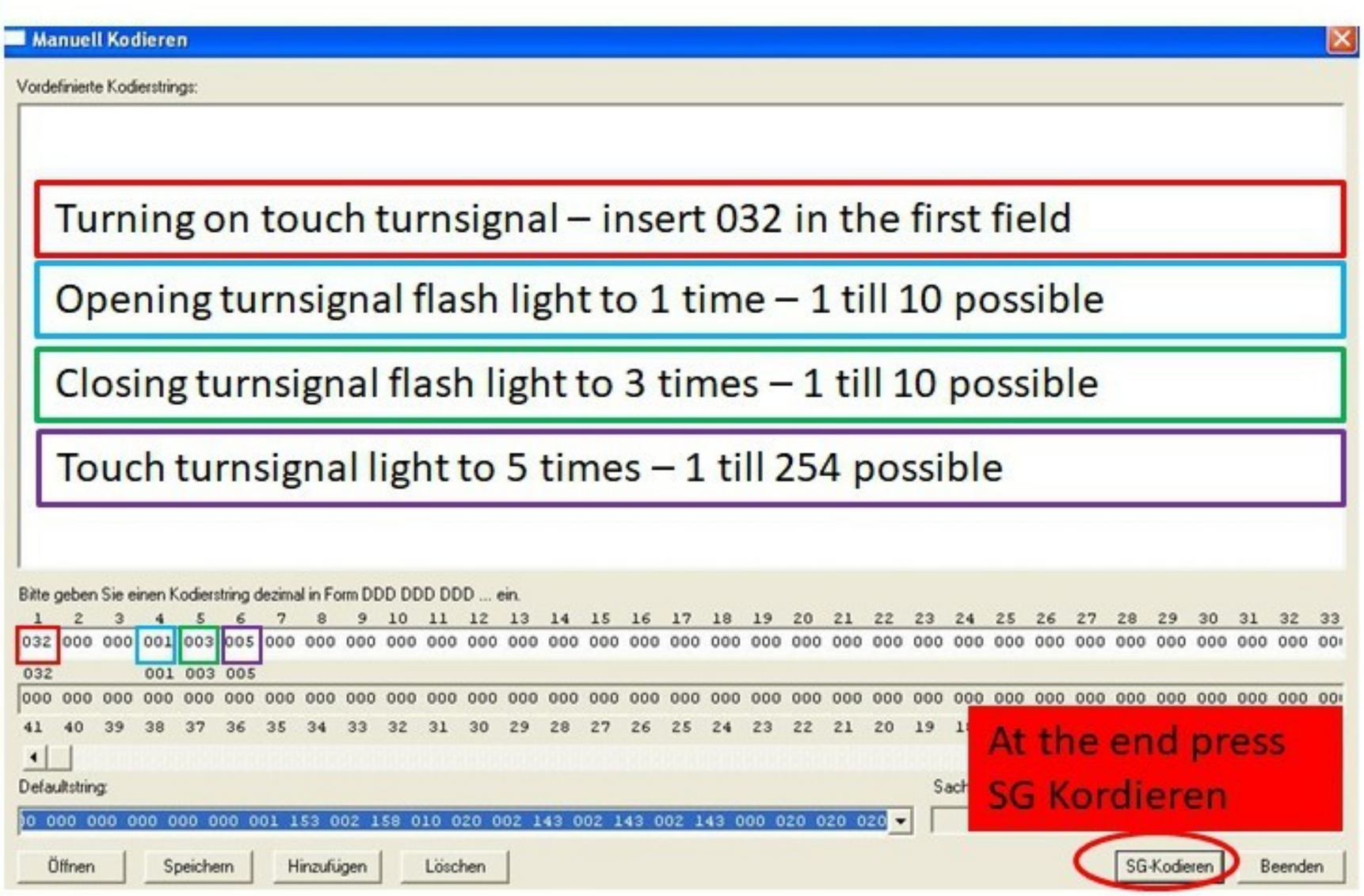
2.1 Turn signal flasher changed from 3x to 5x

2.1.1 Carlines: 117 156 166 W176 W246 C292 463

ECUs:
CBC.CBF - pre facelift
CBCBOLERO.CBF - Facelift

The best and easiest way is to do it with by manual koding





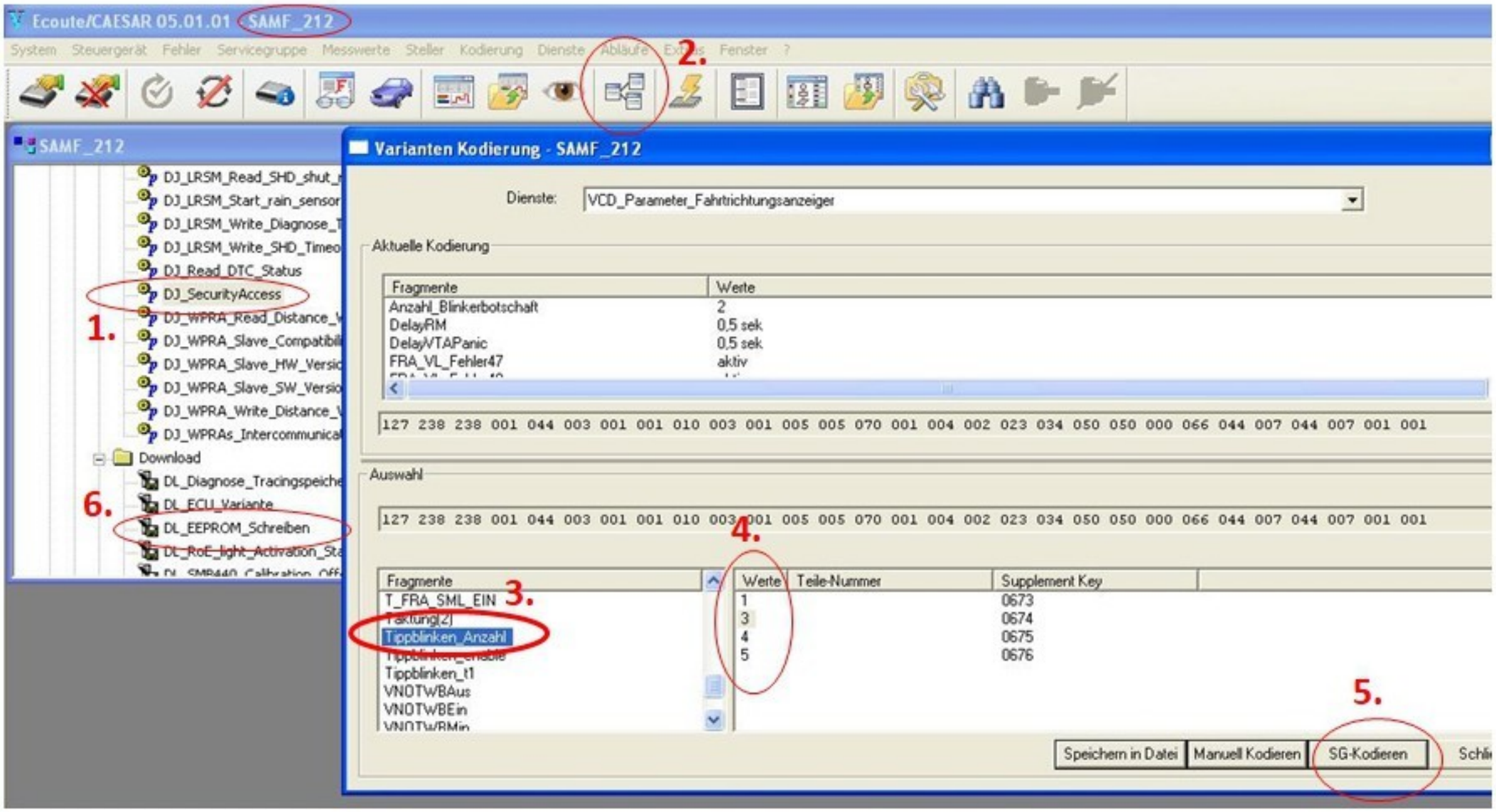
2.1.2 Carlines: 172 190 197 197_ECELL 204 207 212 218 231

ECUs:
SAMF_172.CBF
SAMF_204.CBF
SAMF_212.CBF

Secure access needed before coding
Eeprom write needed after coding
Hard reset should be done after coding

Procedure:

1. SAM-F save/backup codings --> choose folder and filename
2. Choose „VCD_Parameter_Fahrtrichtungsanzeiger"
3. Click „Tippblinken_anzahl"
4. Change from 3 to 5
5. Click SG_codieren



2.1.3 Carlines: w213

ECU:
BC_F213.smr-d

Service 1206 olc brinker _modell_write
Pbmm_anz_tb 3>>5

This has taken out of the forum.
Could not even validate at the loaded smr-d.

2.1.4 Carlines: w205 217 222 w253

ECU:
BC_F222.smr-d

Service 1206 olc brinker _modell_write
Pbmm_anz_tb 3>>5

This has taken out of the forum.
Could not even validate at the loaded smr-d.

- Connect to BC f222
- goto 1206 olc brinker _modell_write
- Pbmm_anz_tb: default is 3 .. change to what you want .. (1~254)
- code ecu

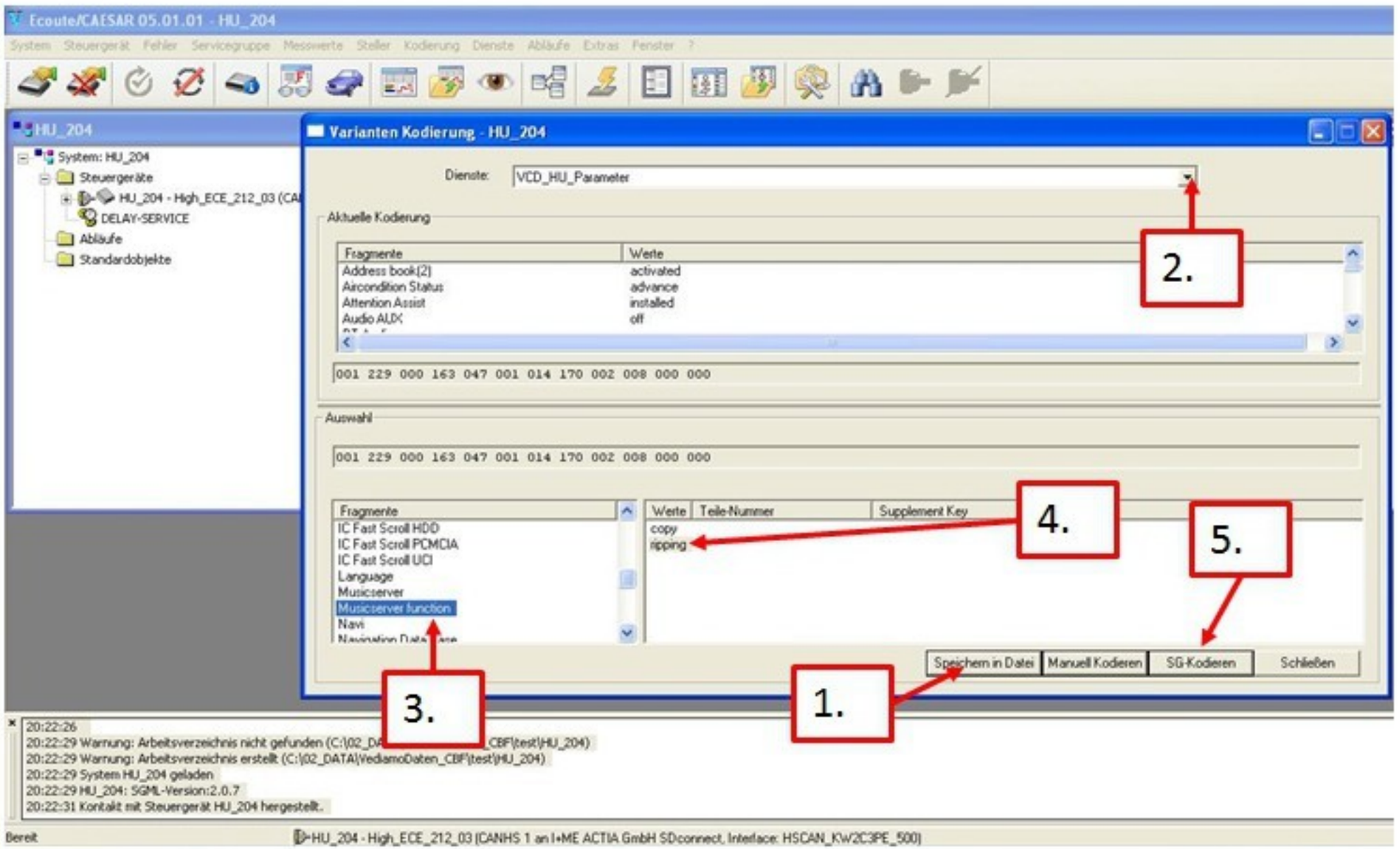
2.2 Comand NTG 4 - certain MODs

2.2.1 CD ripping mode - copying music audio cds at the internal hdd

ECU: Comand - HU_204_High_ECE_212_03
Hard reset should be done after coding

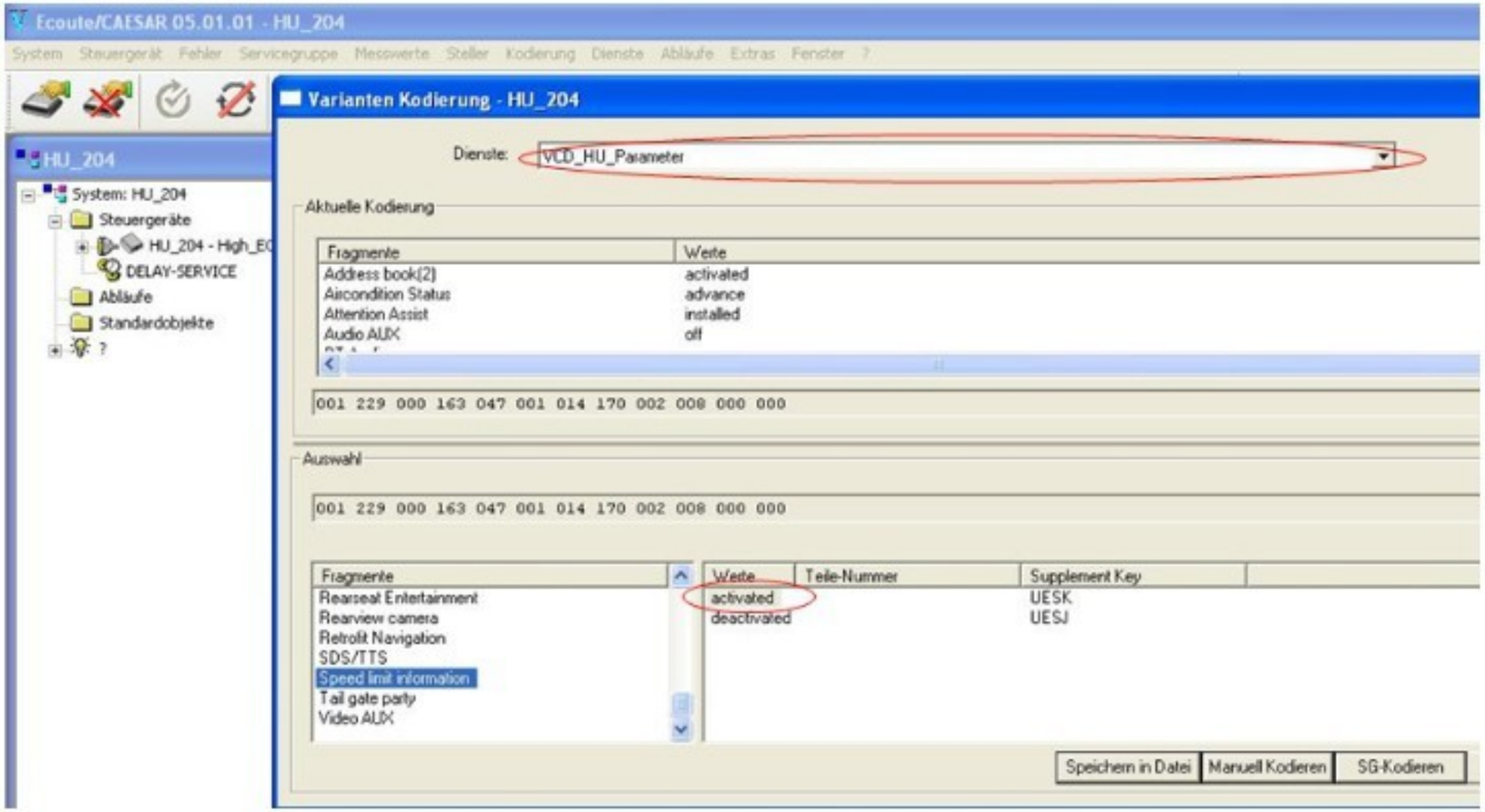
Procedure:

1. HU_204 save/backup codings choose folder and filename
2. Choose „VCD_HU_Parameter"
3. Click „Musicserver function"
4. change from copy to ripping
5. Click SG_codieren



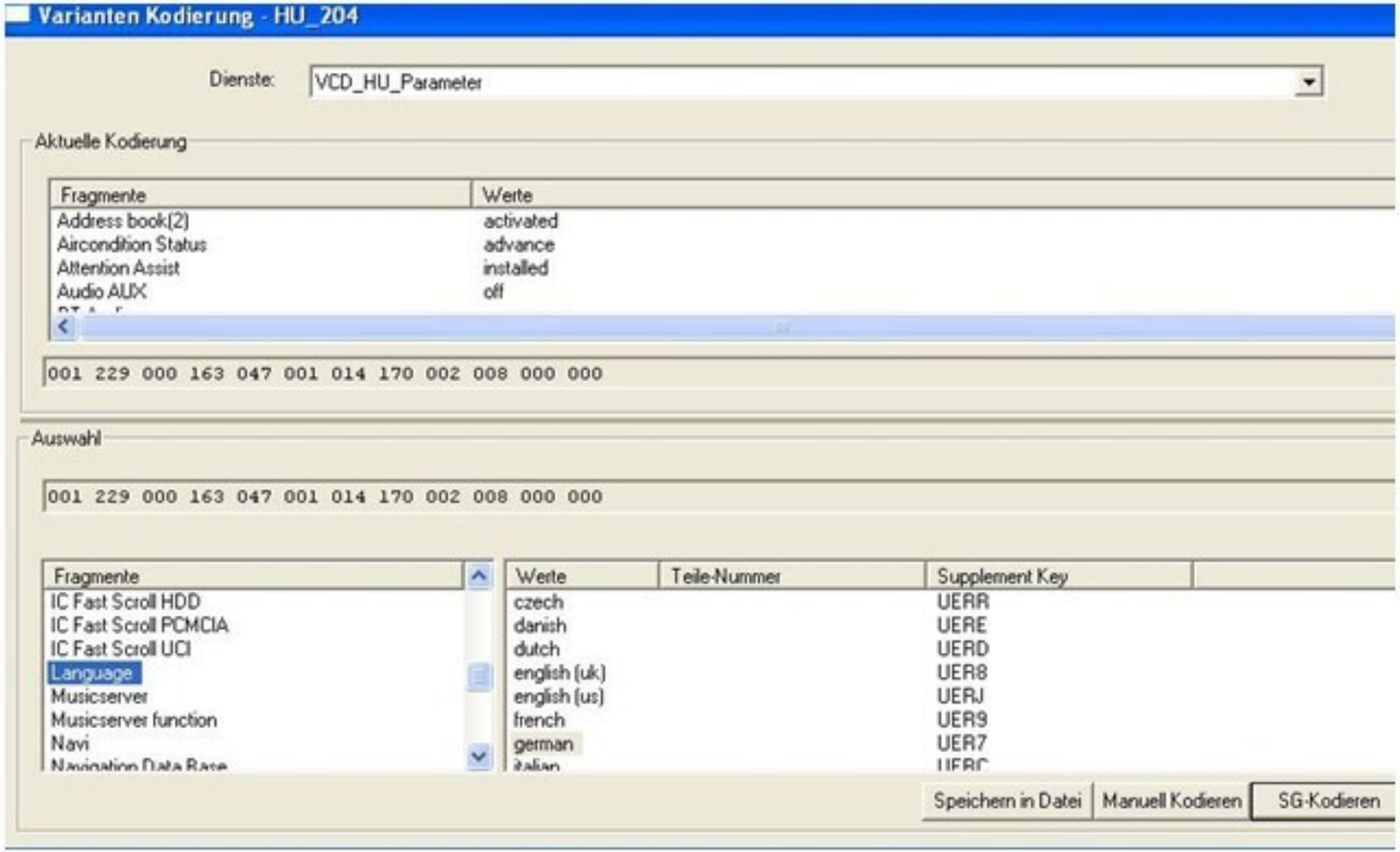
2.2.2 Show speed limit signs (map data)

ECU: Comand - HU_204_High_ECE_212_03
Always click SG-codieren at the end
Hard reset should be done after coding



2.2.3 Comand Language change

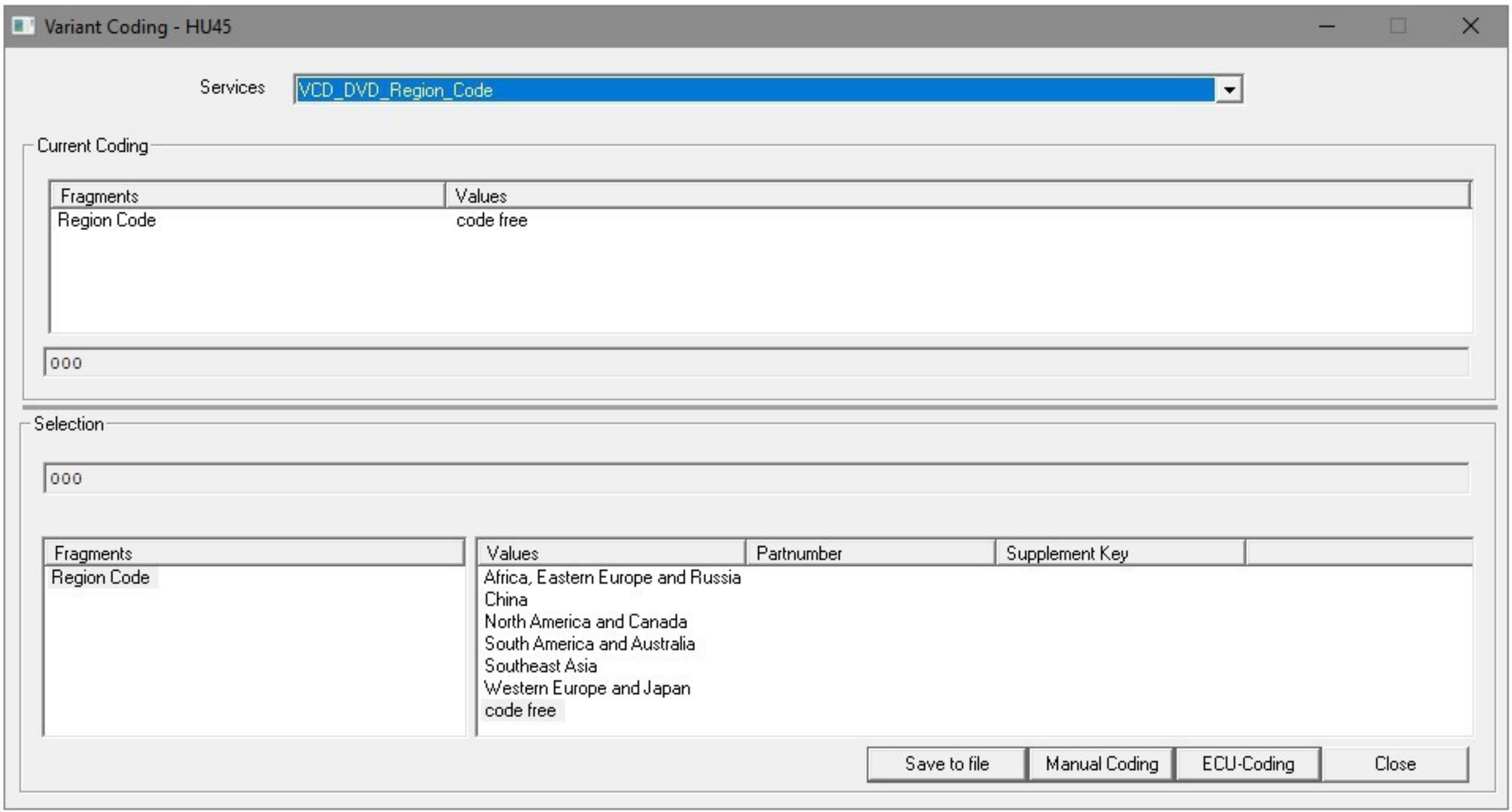
ECU: HU_204
Hard reset should be performed afterwards



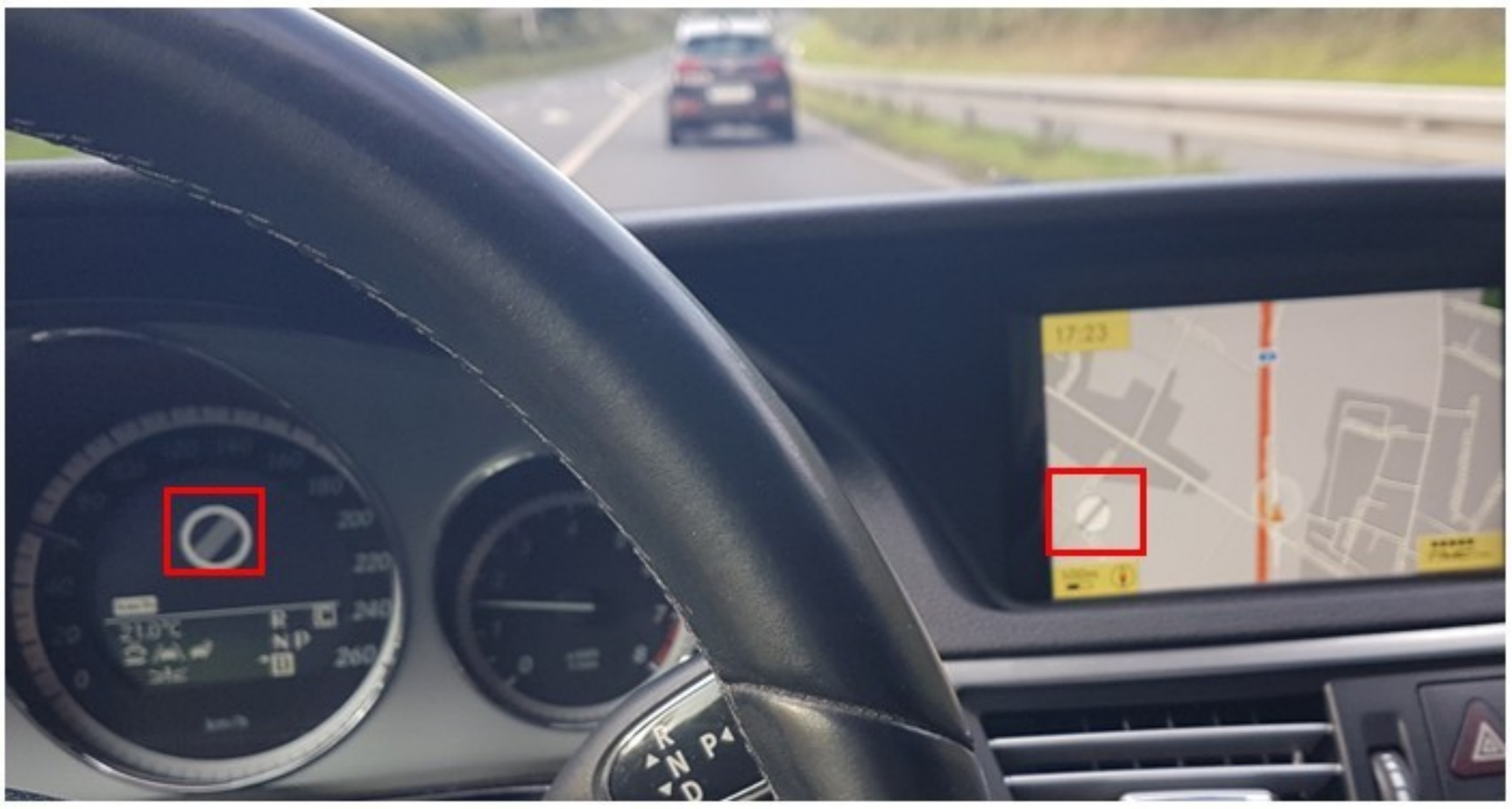
2.2.4 DVD-Region change

ECU: HU_204

1. choose HU_204
2. choose DVD region Code
3. Choose Region (codefree is not working)

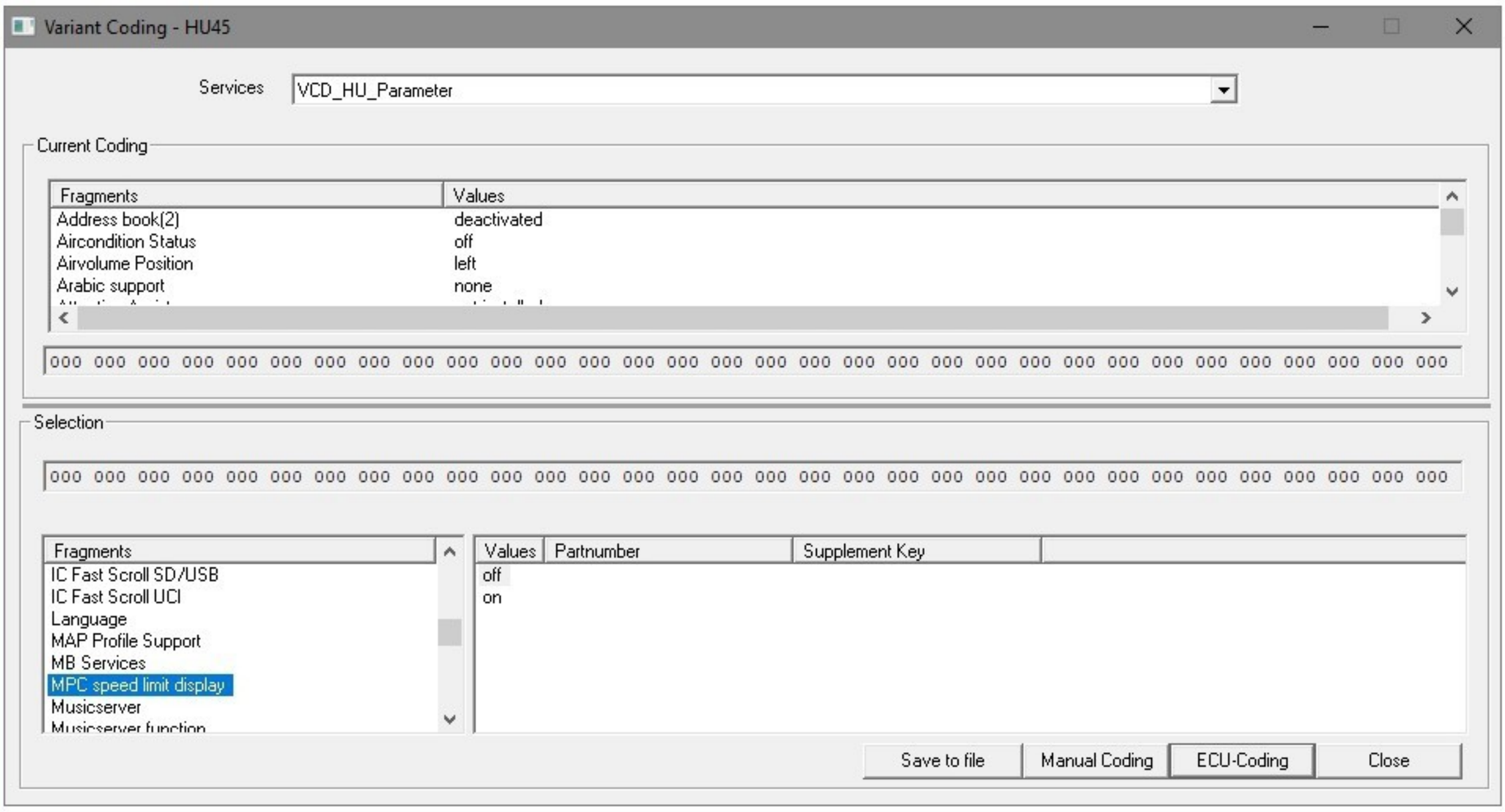


2.2.5 Show speed limit signs (mpc/Camera data)

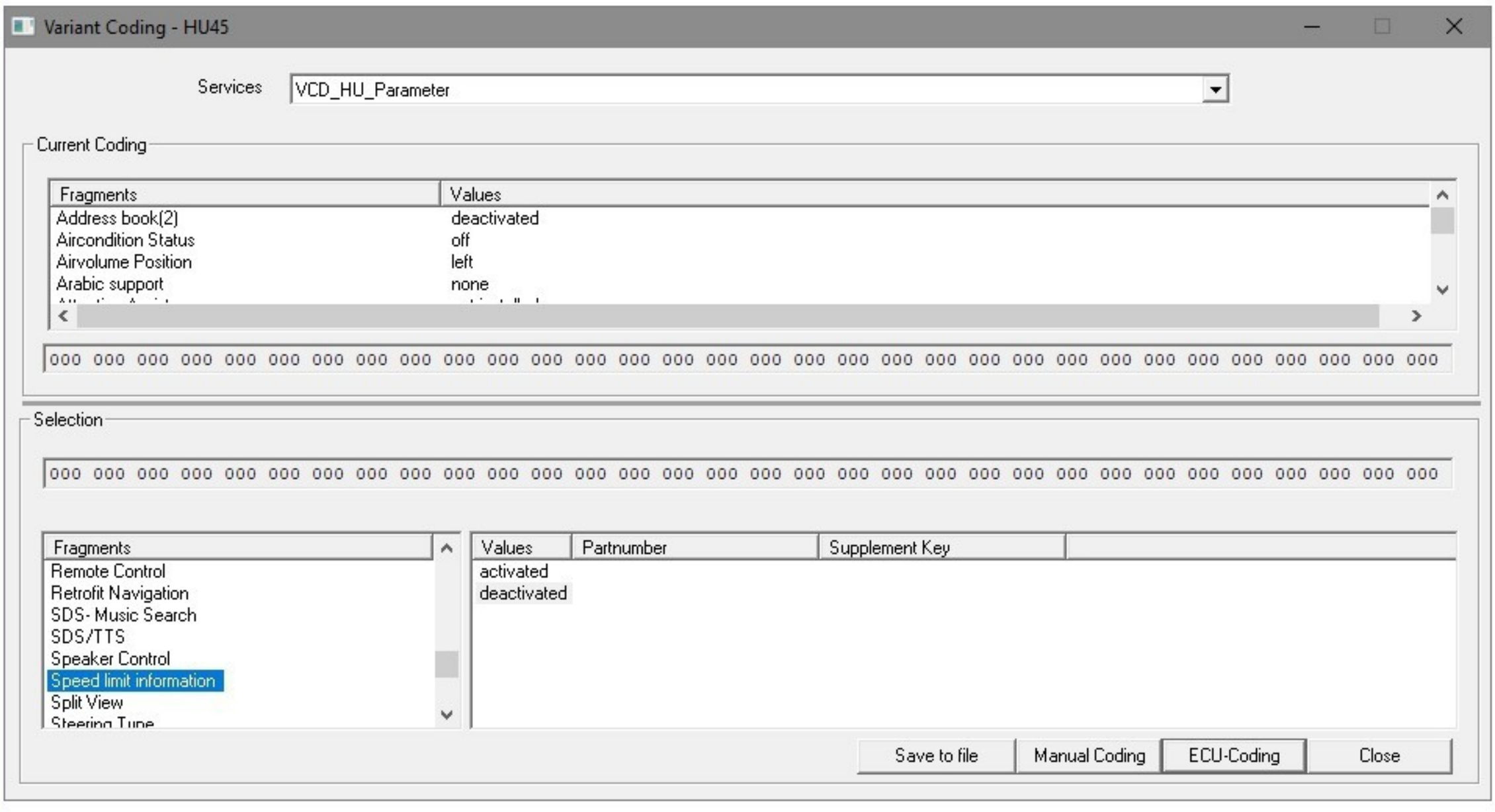


ECU: HU_204

MPC speed limit display change to on.

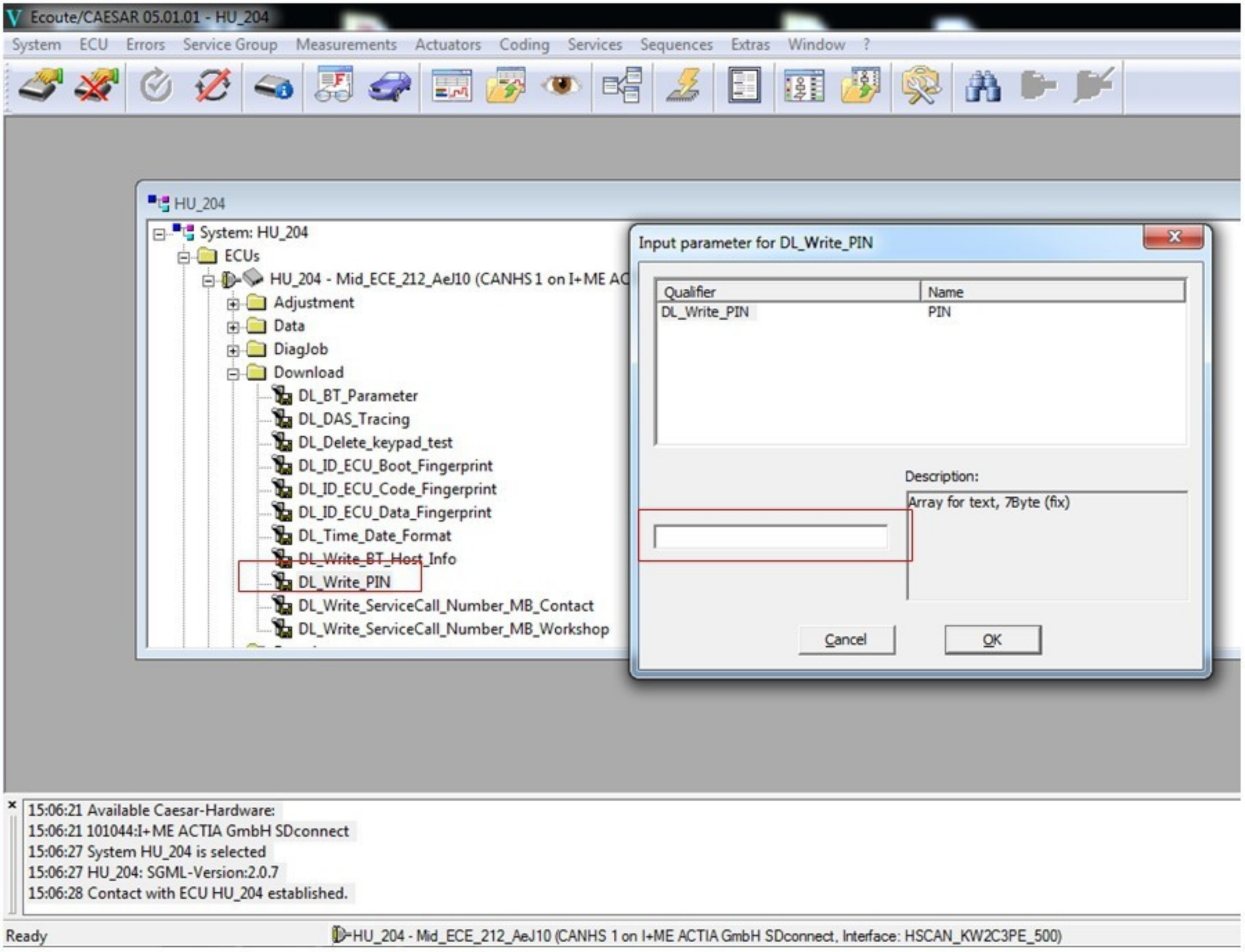


And if you do not have a camera you may activate the map speed limit information



2.2.6 PIN code insertion

ECU:HU_204



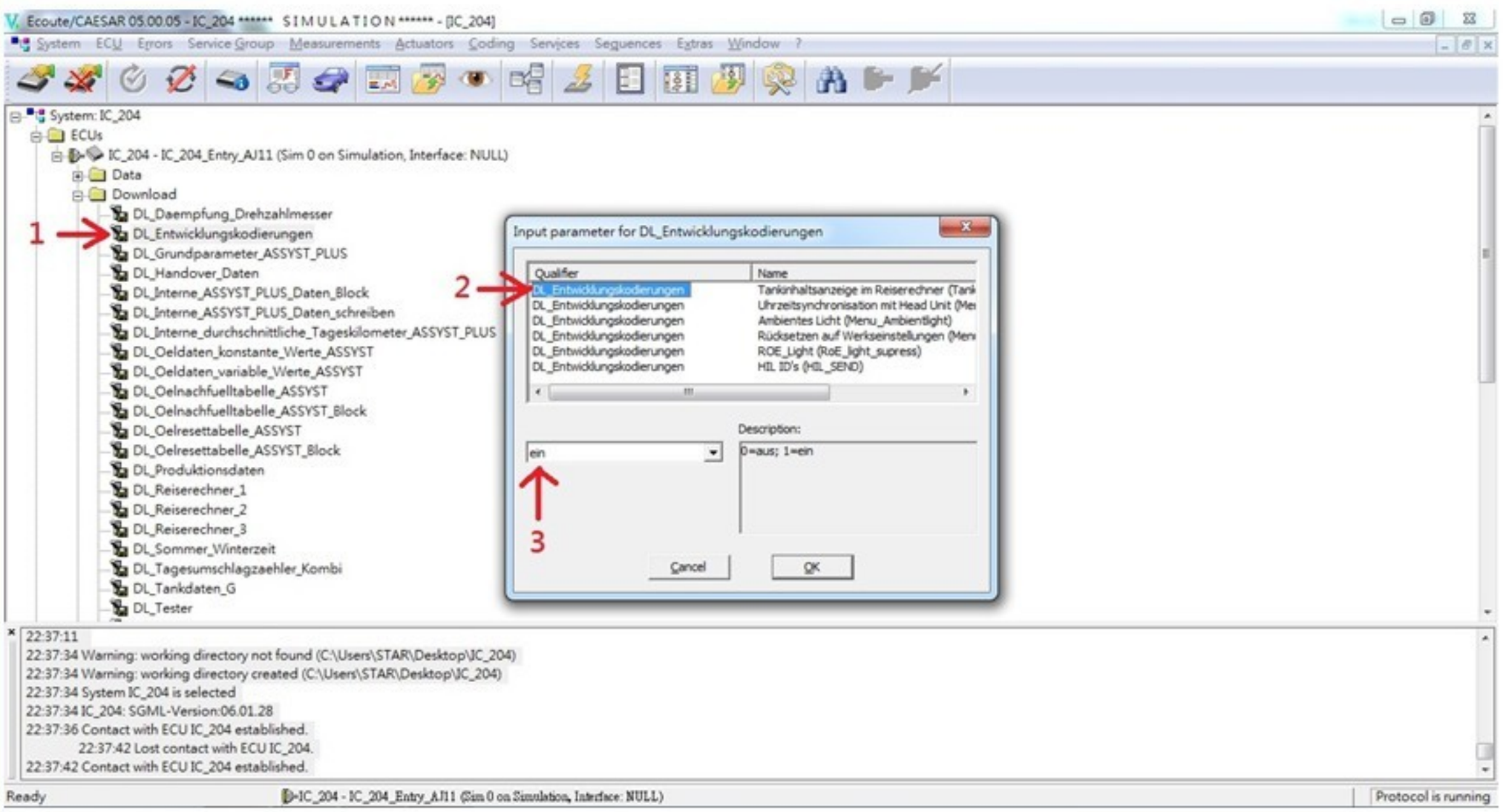
2.3 Instrument cluster

2.3.1 Instrument cluster – Turn on the remaining fuel liters

ECU: Instrument Cluster - IC_212 & IC_204 (newest CBF needed if function is not available)
Works with IC_204.cbf with Releasedate DATE:15.12.2016 take a look with an editor (for example Notepad++) into the CBF file. If your CBF file is older than it coulod be that you will not have the coding function.

This coding is not done by regular variant coding!!!
It´s different!

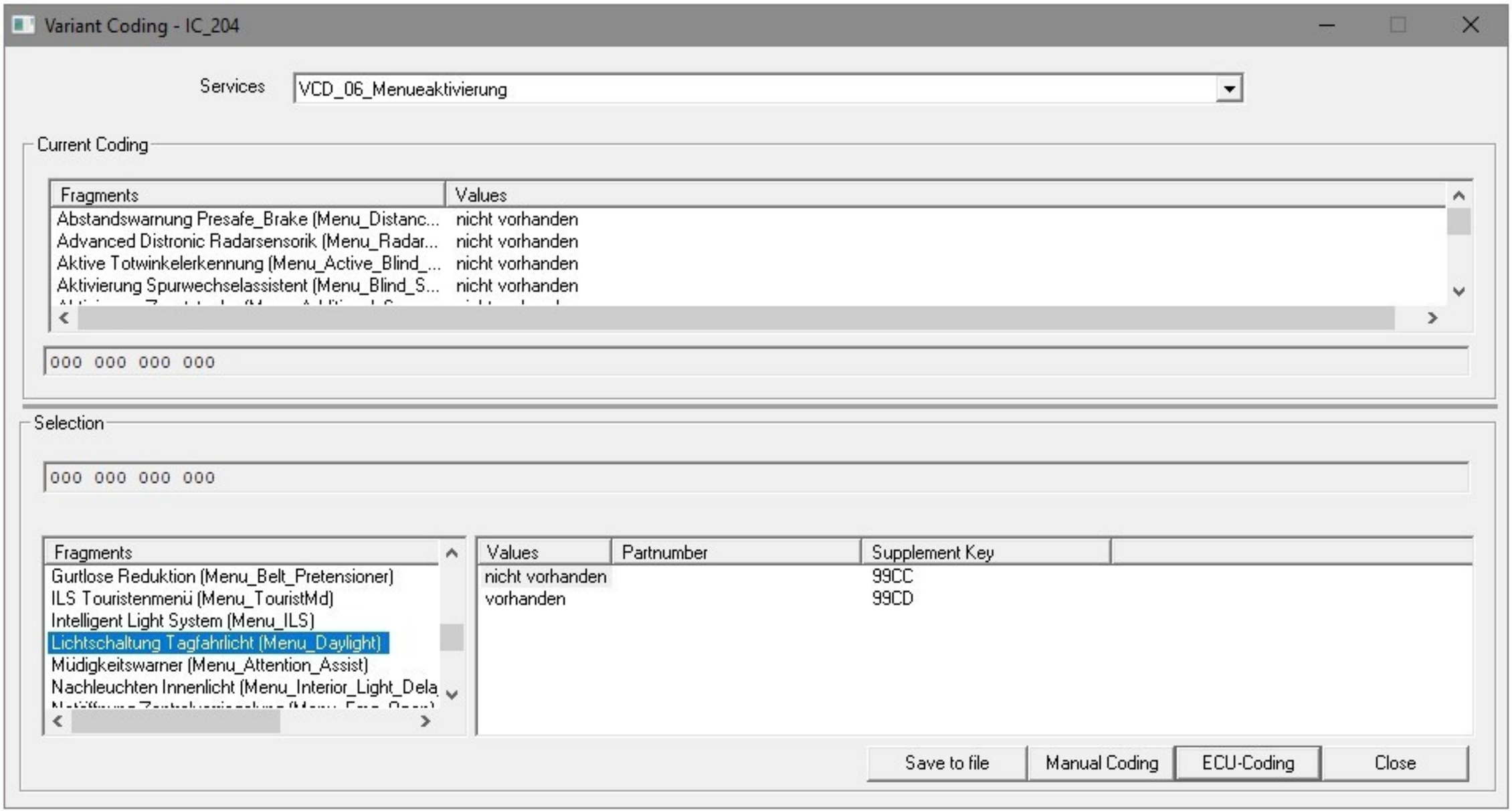
Always click SG-codieren at the end
Hard reset should be done after coding



2.3.2 Daylight menu activation

ECU : IC_204

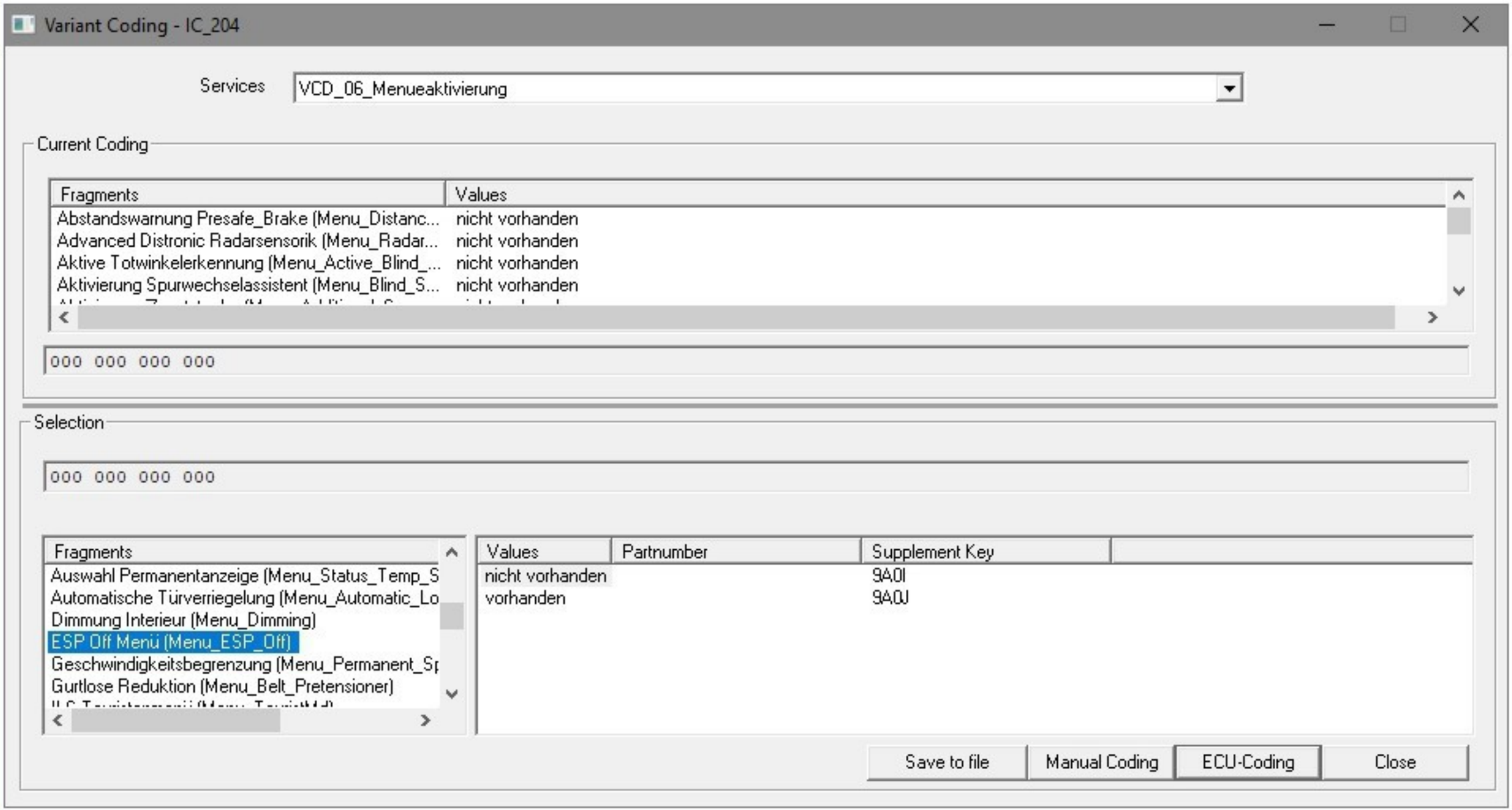
1. Dienste: 06 Menüaktivierung
2. Lichtschaltung Tagfahrlicht (Menu_daylight) change to vorhanden



2.3.3 ESP off menu activation

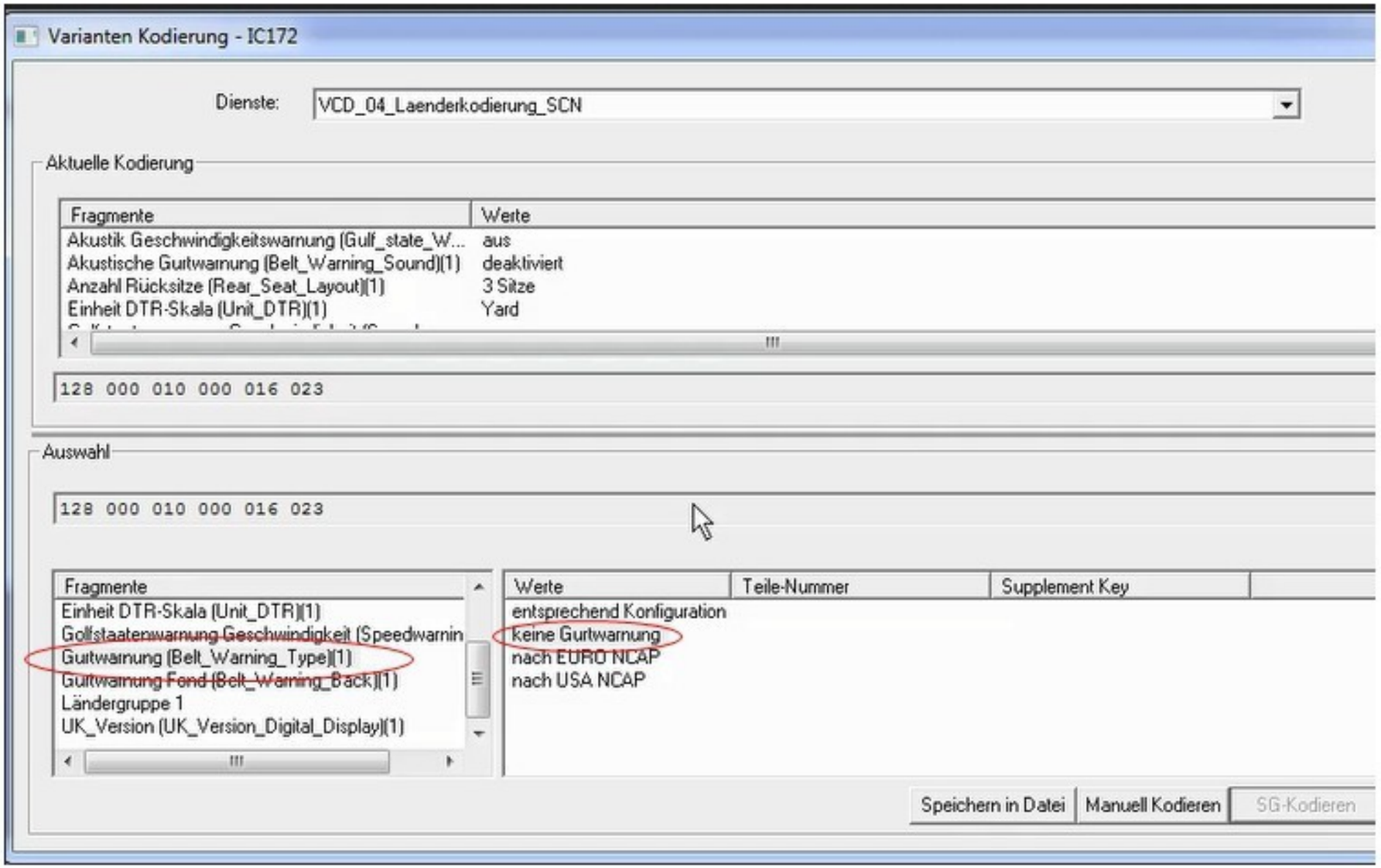
ECU : IC_204

1. Dienste: 06 Menüaktivierung
2. ESP Off Menü(Menü_ESP_off) change to vorhanden

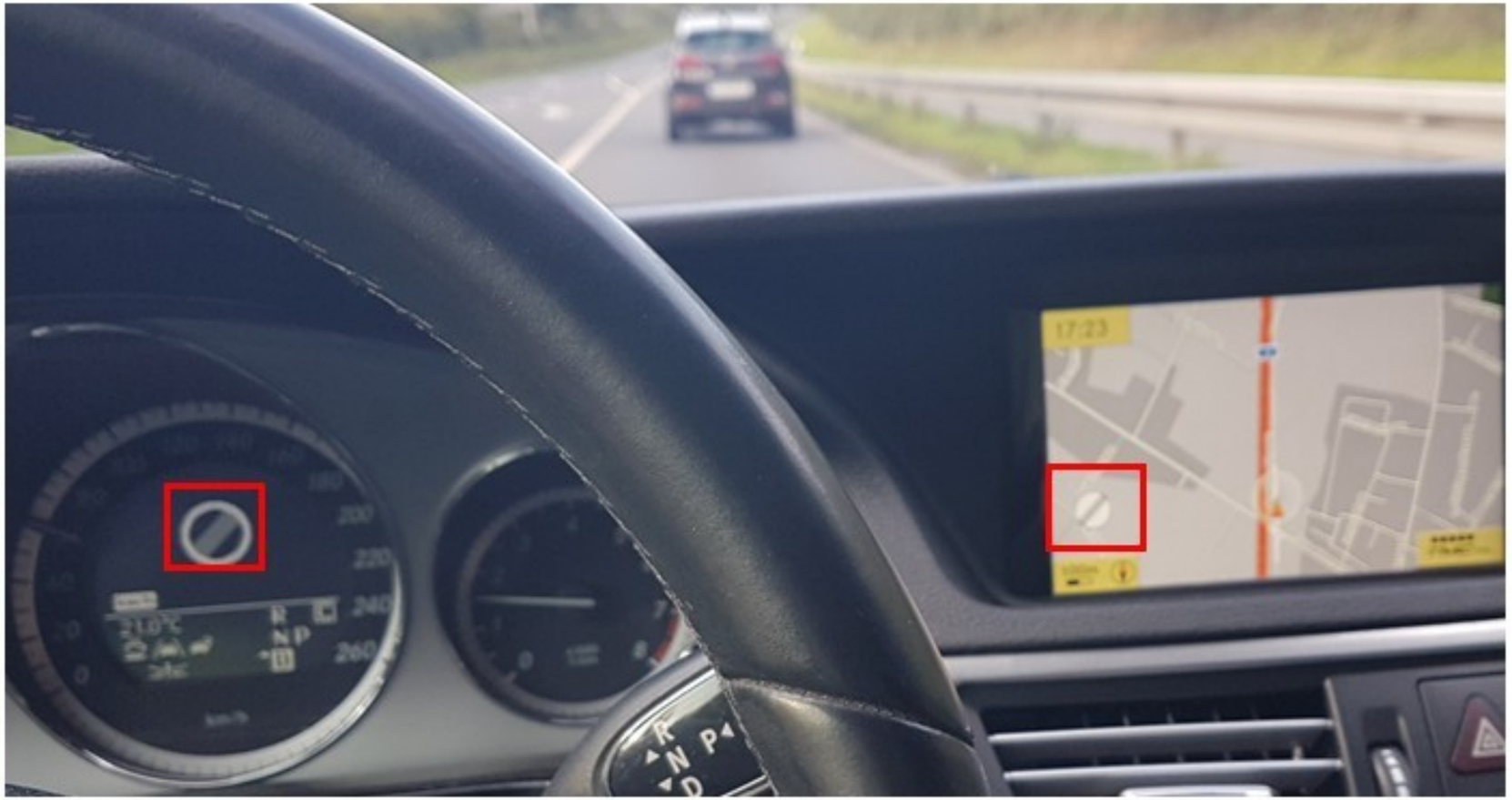


2.3.4 Deactivate Seat belt warning

ECU: Instrument Cluster - IC172
Always click SG-codieren at the end
Hard reset should be performed afterwards



2.3.5 MPC end of speedlimit show



ECU: IC204

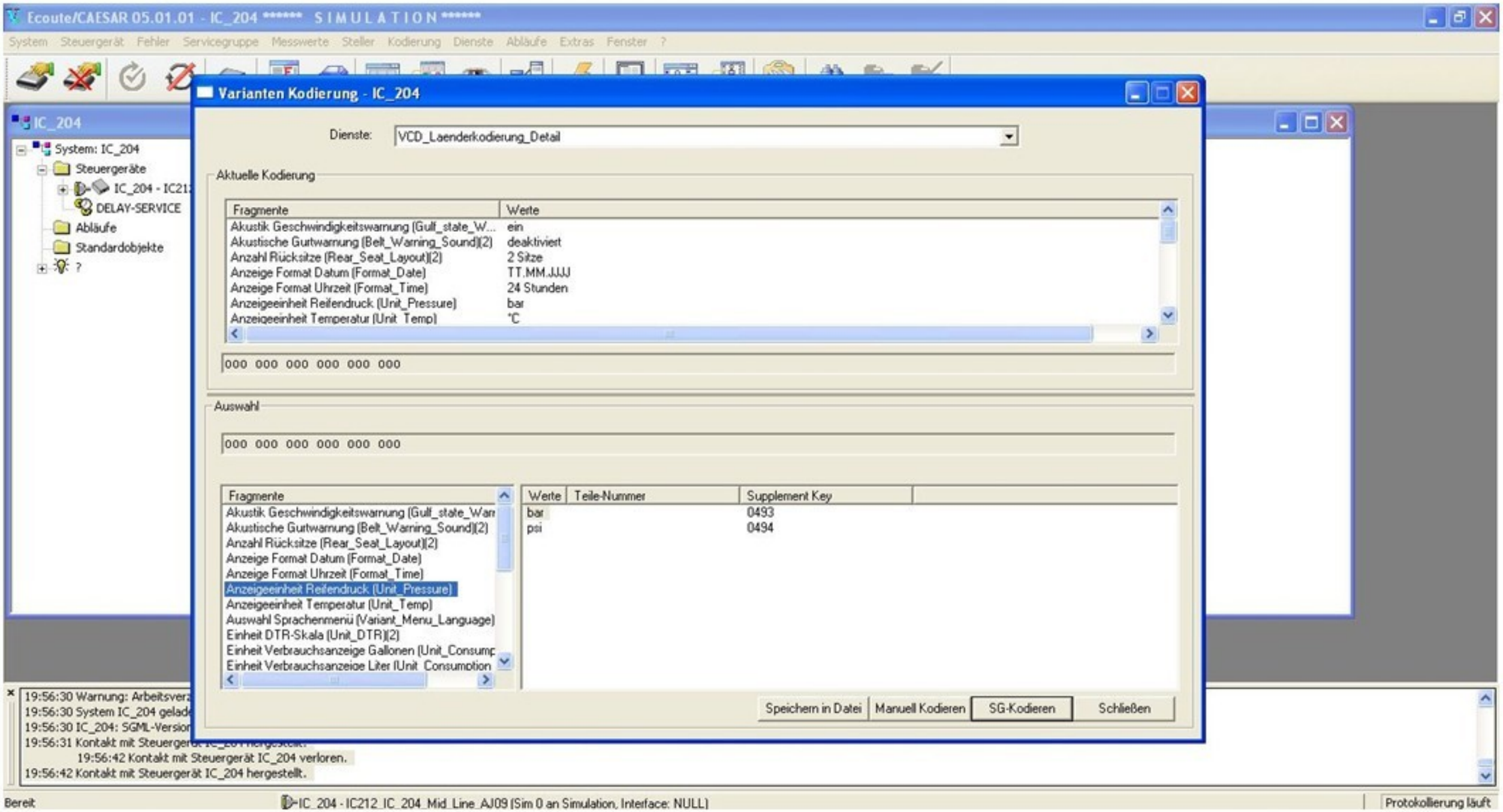
IC Firmware update needed.
Check HW ID and find out which newest CFF needs to be flashed
*.et** files from Xentry Installs 2015 may help to find out.
Maybe somebody in forum may help as well.

2.3.6 Changing tire pressure unit - Psi to bar - just mentioning no screenshots

ECU: IC204

Dienste: VCD_Ländercodierung_detail

Fragment: Anzeigeeinheit Reifendruck (Unit_Pressure)
change to bar or Psi

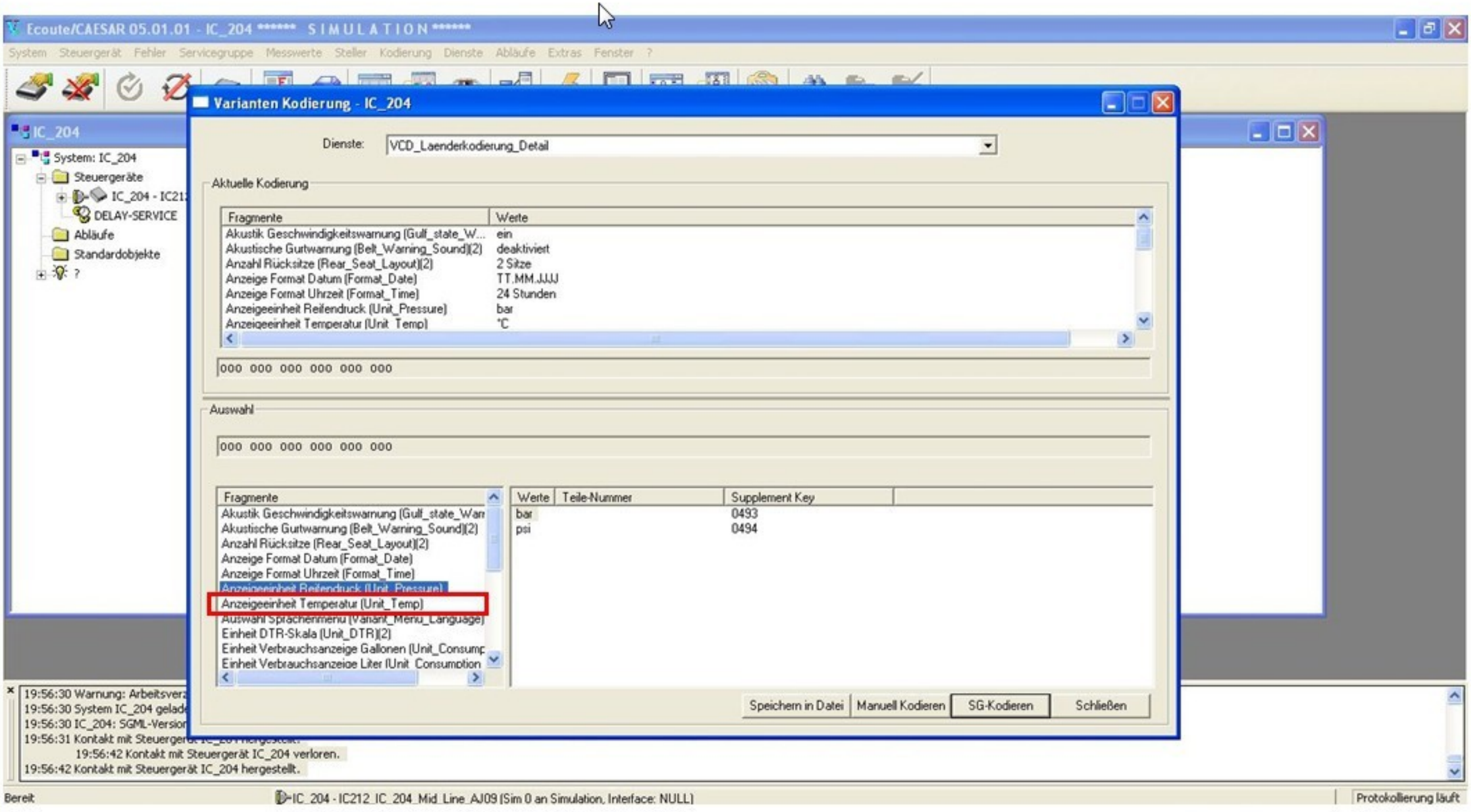


2.3.7 Changing temperture unit - just mentioning - no screenshots

ECU: IC204

Dienste: VCD_Ländercodierung_detail

Fragment: Anzeigeeinheit Temperatur (Unit_Temp)
change to C° to F°



2.3.8 W212 - Activate language menu in cluster

ECU: IC_204

Group/Dienste: VCD_06_Menueaktivierung
Spracheinstellung (Menu_Language)(Language_Synchronisation_Off) -> off

Group/Dienste: VCD_07_Menue_Werkseinstellungen
Einstellung Sprache (Language_FactDef) -> Polnisch WDEJ

Group/Dienste: VCD_Aktuelle_Menueeinstellungen
Aktuelle Einstellung Sprache (Language) -> Polnisch WDB7

Group/Dienste: VCD_Laenderkodierung_Detail
Auswahl Sprachenmenü (Variant_Menu_Language) -> alle Sprachen 049M

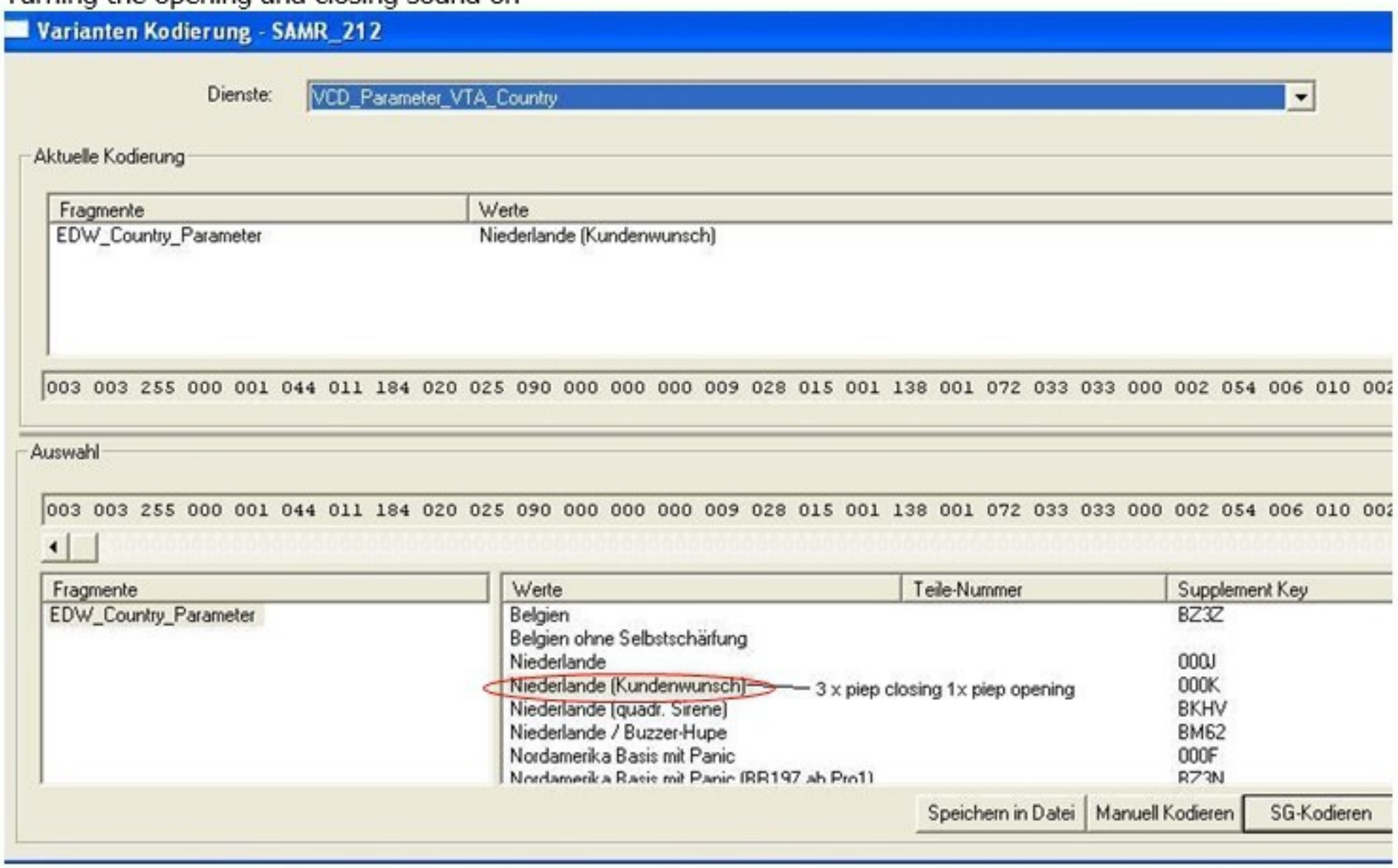
Of course you may choose different language as well and not just polish

2.3 Instrument cluster

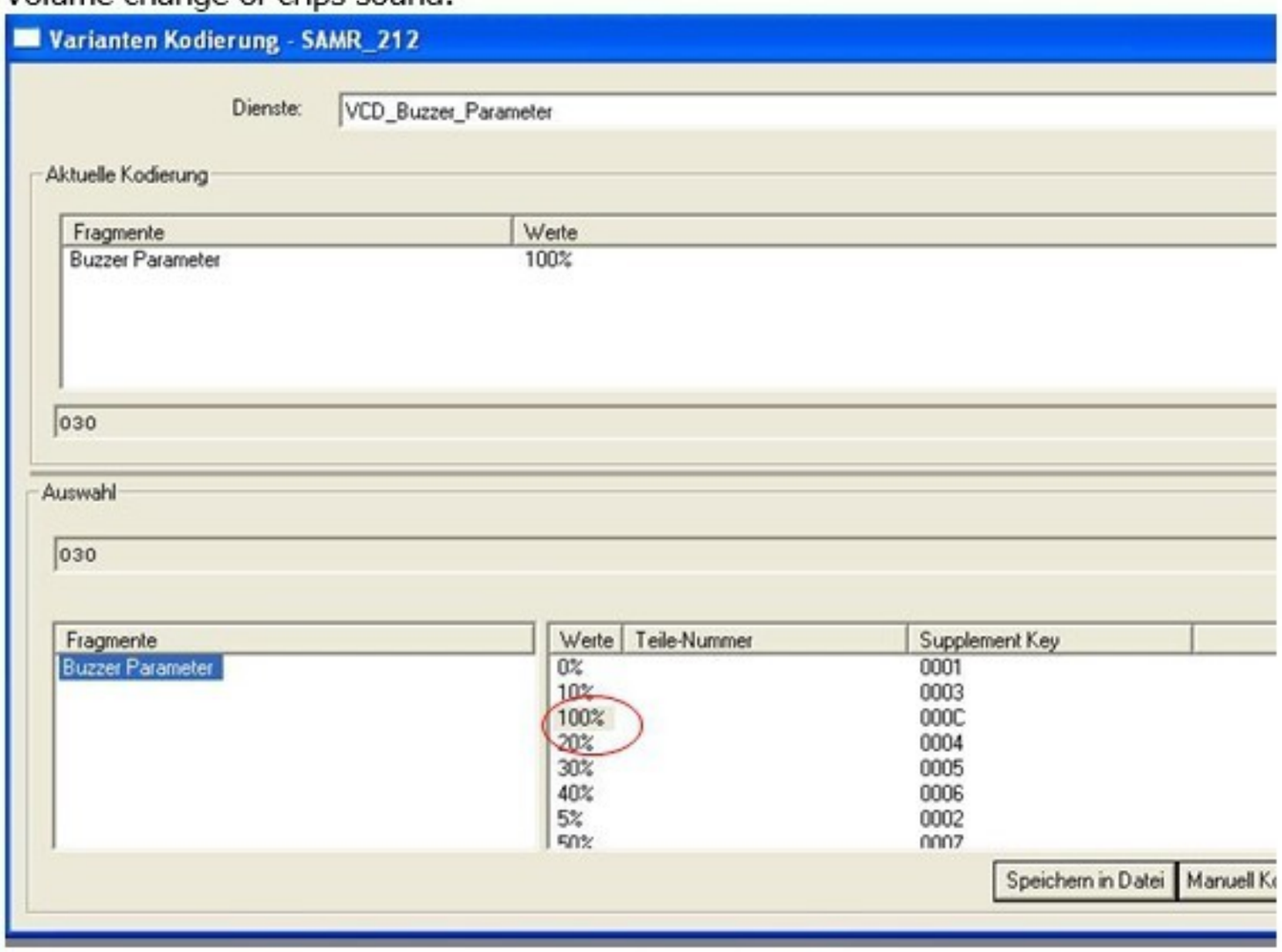
2.5 Door closing, opening sound and volume change

ECU: SAM-R (Alarm system needed)
Always click SG-codieren at the end
Hard reset should be performed afterwards

Turning the opening and closing sound on

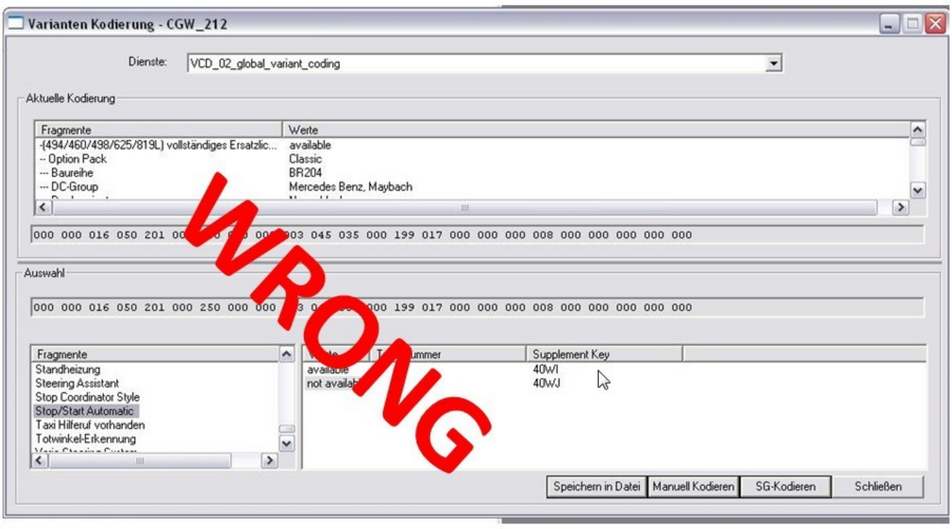


Volume change of crips sound:



2.6 Start/Stop function – remember last choice keeps turned off

ECU: some are doing it in CGW but this is wrong
Hard reset should be performed afterwards



No but instead of removing it in cgw (very unelegant) you can turn the function in engine ecu, so you can start it manually

---

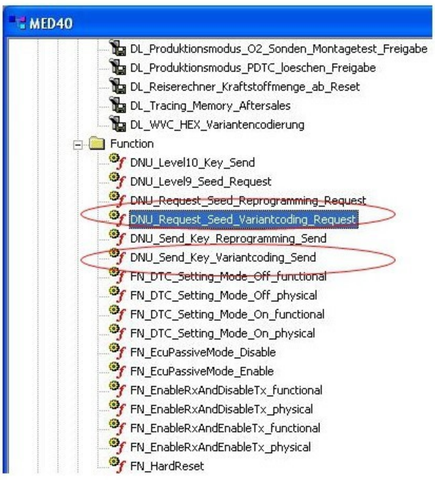
CORRECT WAY

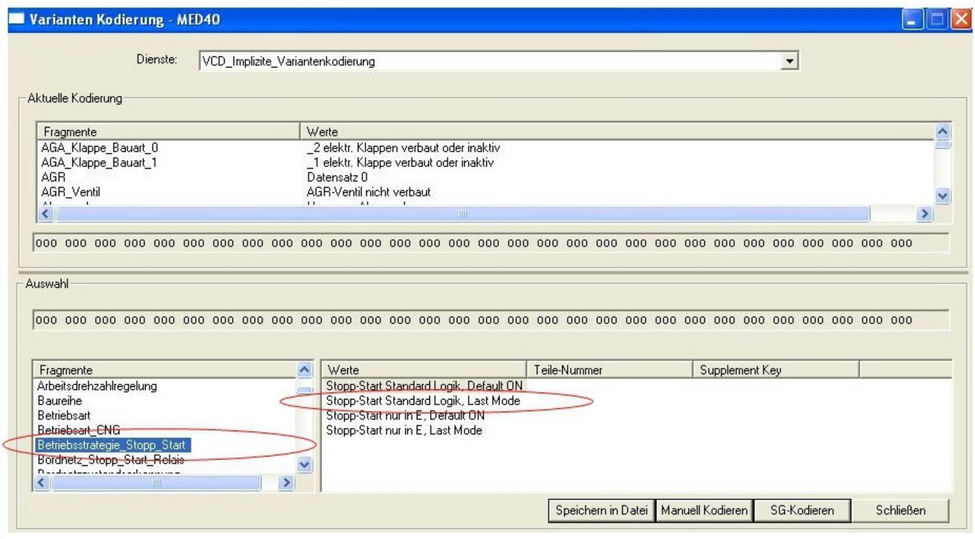
ECU: Engine ECU – ME97
Always click SG-codieren at the end
Hard reset should be performed afterwards

First must unlock the ecu. Search in folders to sg entriegeln

I changed PSAQ_EngHd_StartStop_Enable_fct from "on" to "off" then pressed "Coding ECU" button, but no success. Do I need extra procedure(s) for deactivating ECO Start-Stop?

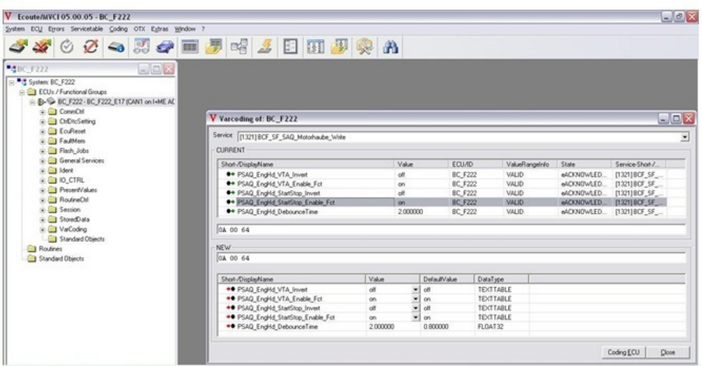
Finally, I realized that the above procedure could disable ECO Start-Stop function. However, this is different from "last mode" I expected. You need cording MED40 for it.

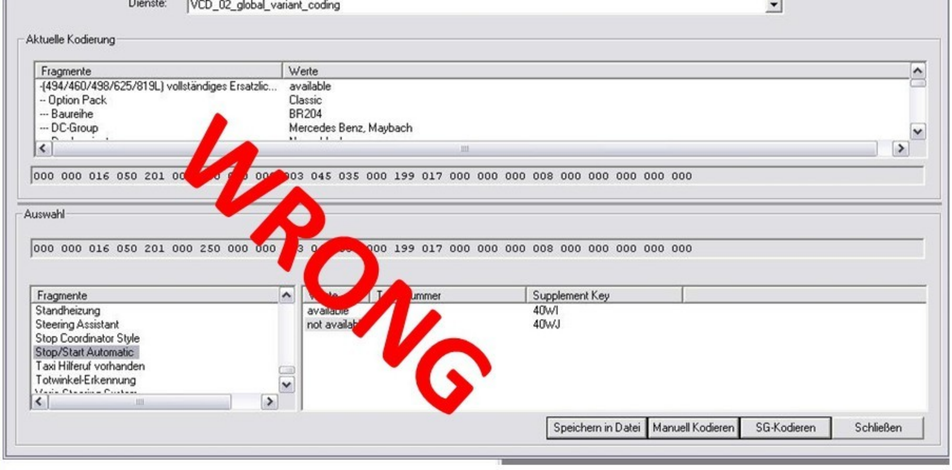




Diesel = this works
Gasoline = need to deactivate completly

Another possibility:





WRONG

No but instead of removing it in cgw (very unelegant) you can turn the function in engine ecu, so you can start it manually

---

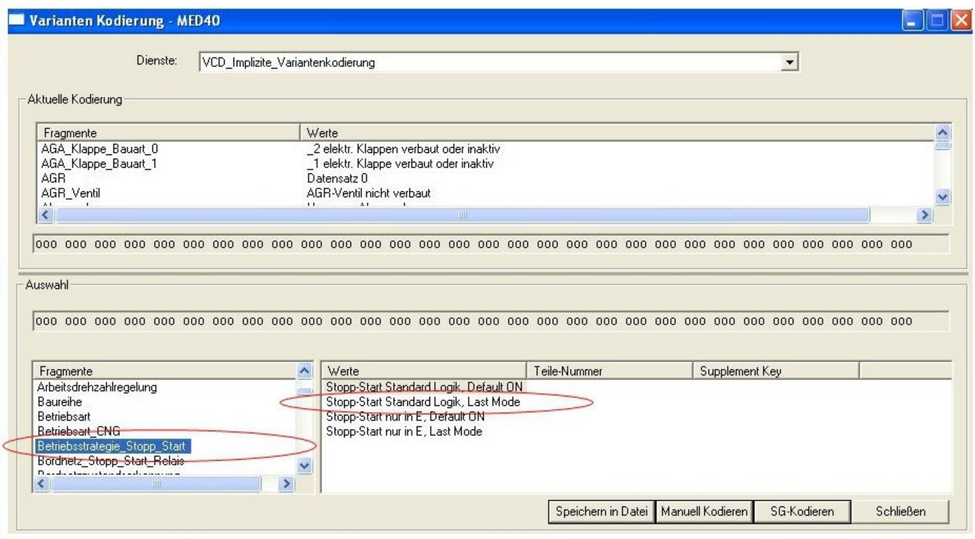
CORRECT WAY

ECU: Engine ECU – ME97
Always click SG-codieren at the end
Hard reset should be performed afterwards

First must unlock the ecu. Search in folders to sg entriegeln

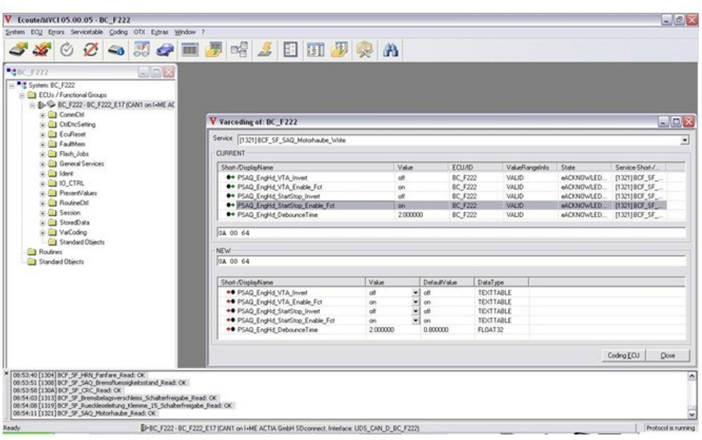
I changed PSAQ_EngHd_StartStop_Enable_fct from "on" to "off" then pressed "Coding ECU" button, but no success. Do I need extra procedure(s) for deactivating ECO Start-Stop?

Finally, I realized that the above procedure could disable ECO Start-Stop function. However, this is different from "last mode" I expected. You need cording MED40 for it.



Diesel = this works
Gasoline = need to deactivate completly

Another possibility:

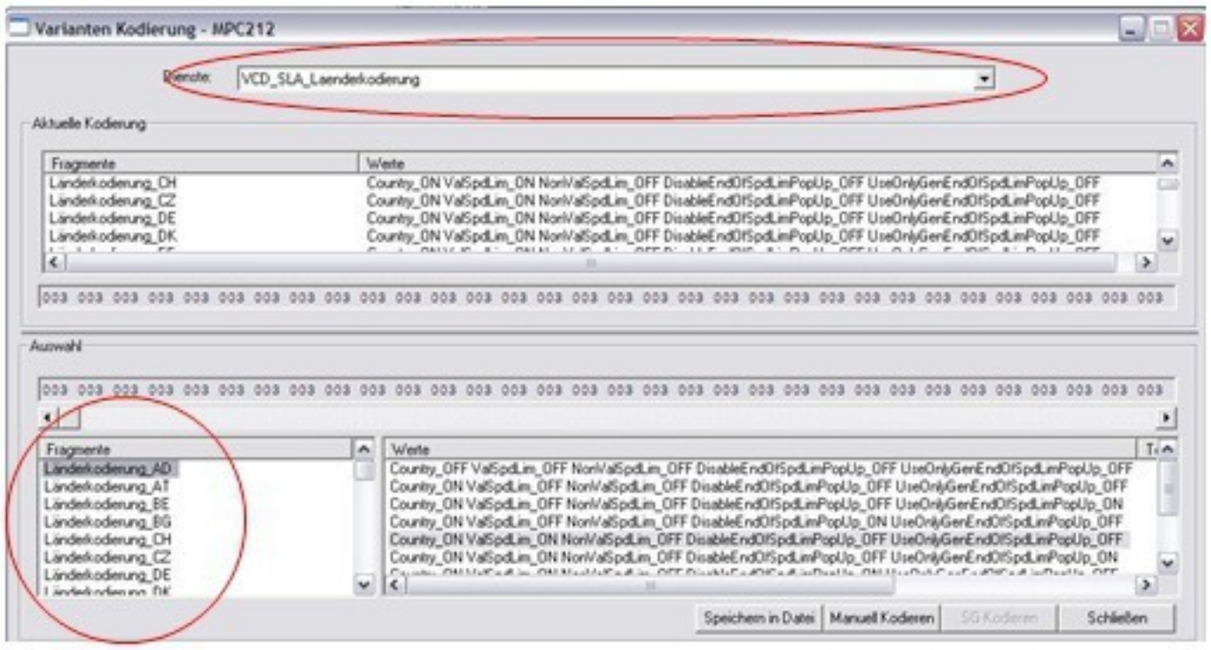


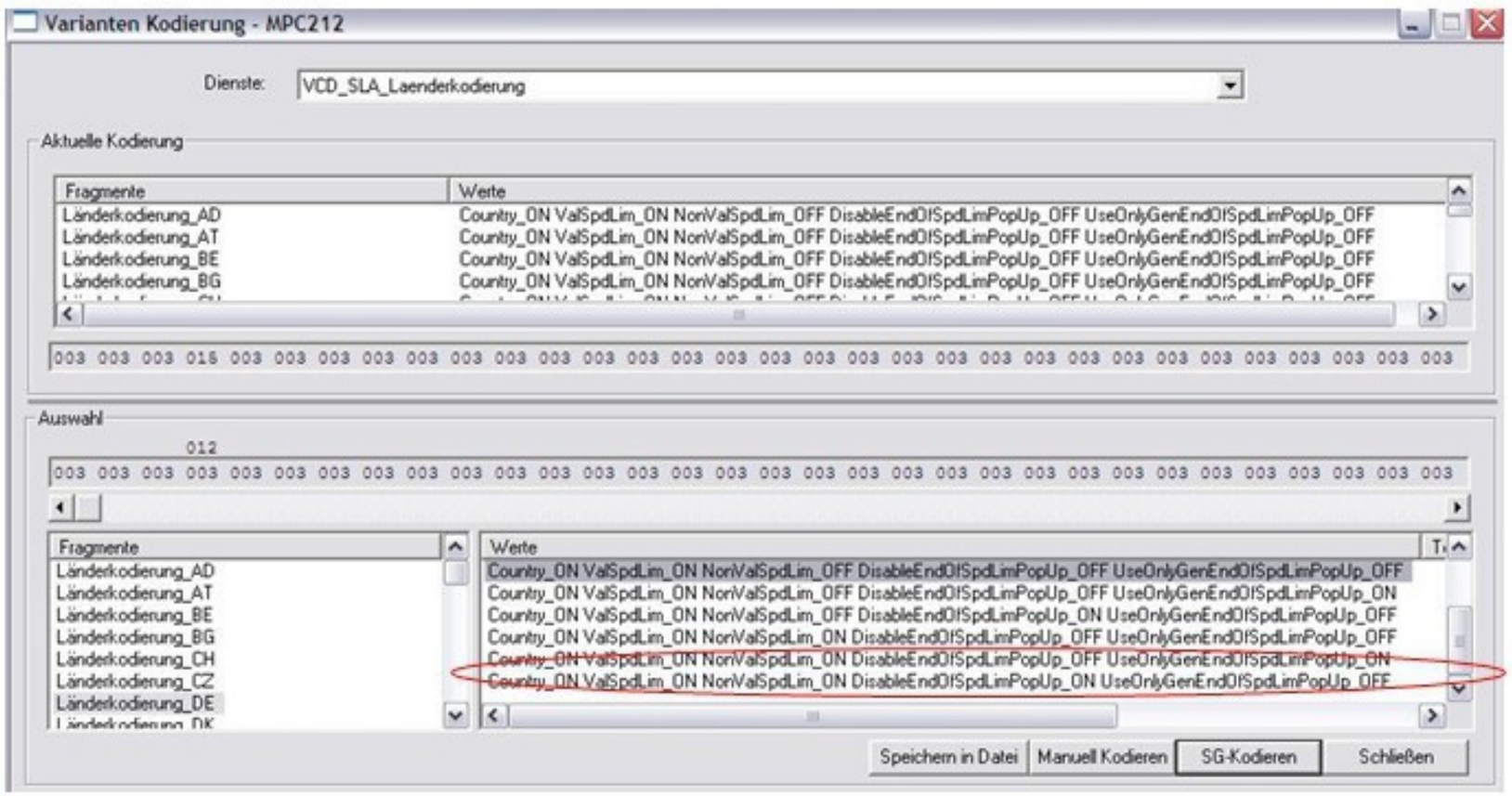
W205 (just found in forum)
SMR-D file in Bc-f222 choose BCF-SF SAQ Motorhaube Write and change PSAQ_EngHd_StartStop_Enable_fct from on to off then press coding

2.7 Speed limit assistant (GLA) – activate all countrys

ECU: MPC212
Hard reset should be performed afterwards

Change the values for all countrys (left screenshot) to the last coding (right screenshot)



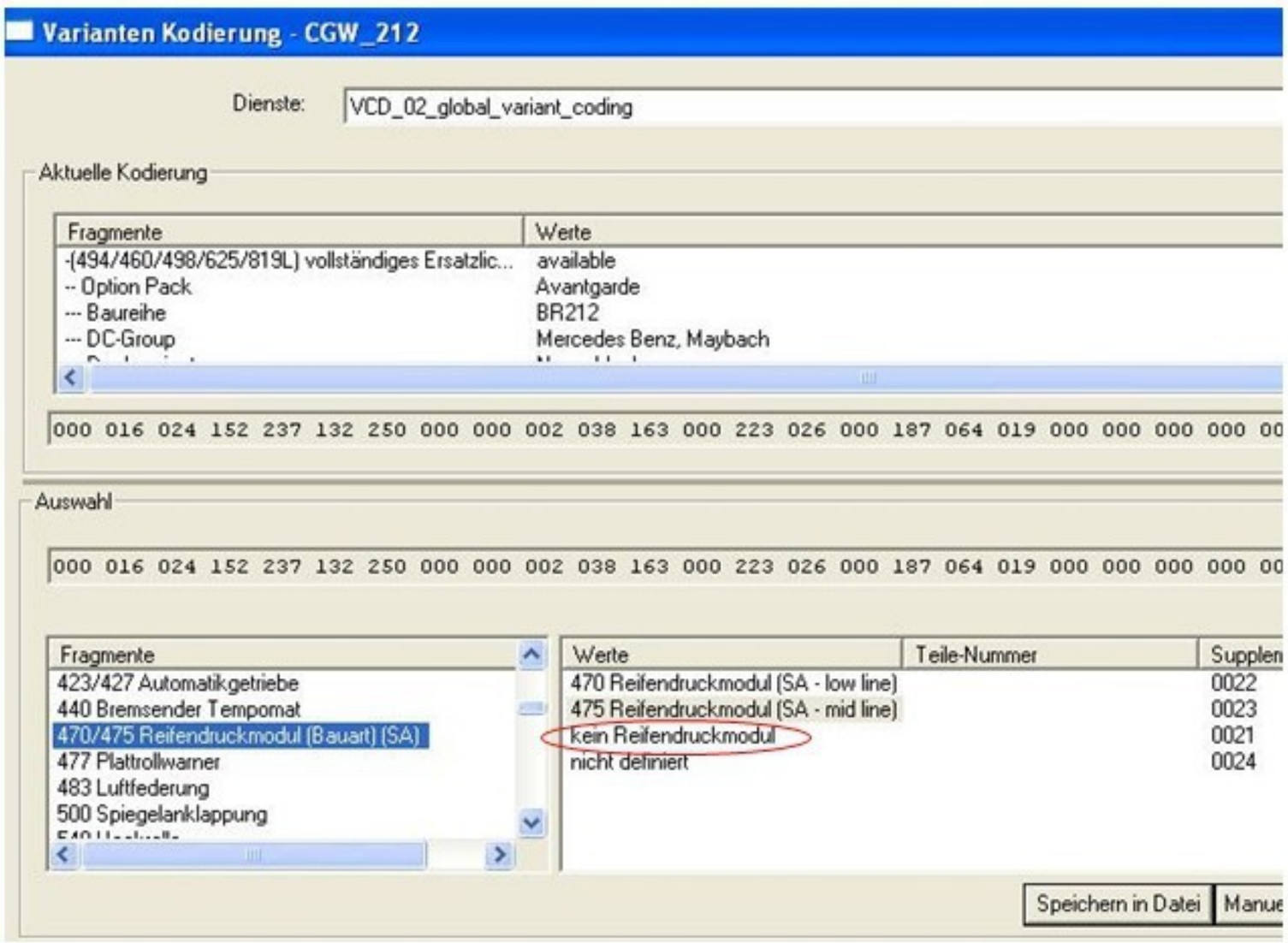


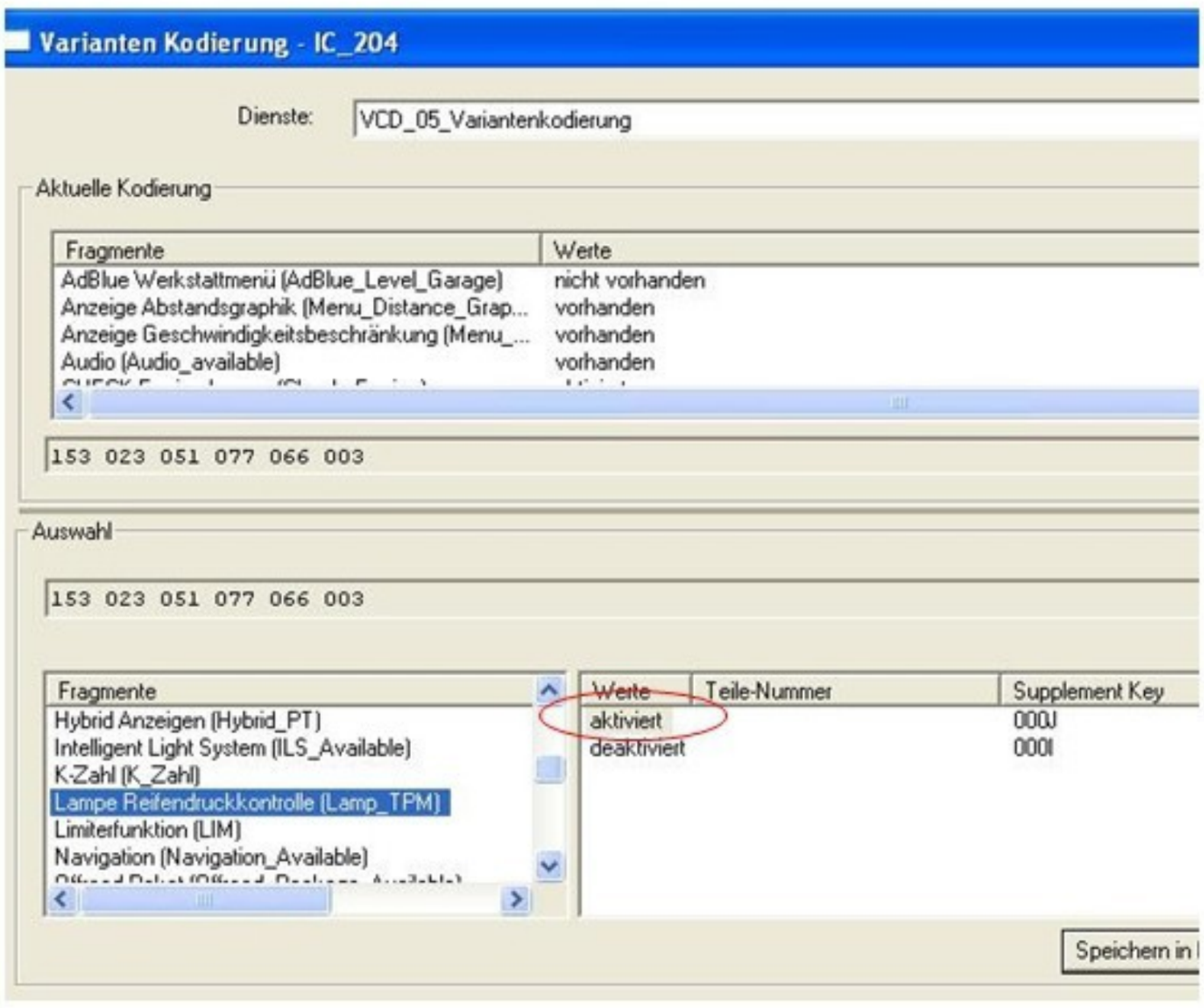
2.8 Deactivate tire pressure control system

ECU: cgw and IC (one by one)
Always click SG-codieren at the end
Hard reset should be performed afterwards

Procedure:

1. Choose "kein Reifendruckmodul" or "nicht definiert" --> need to try
2. choose deaktivieren



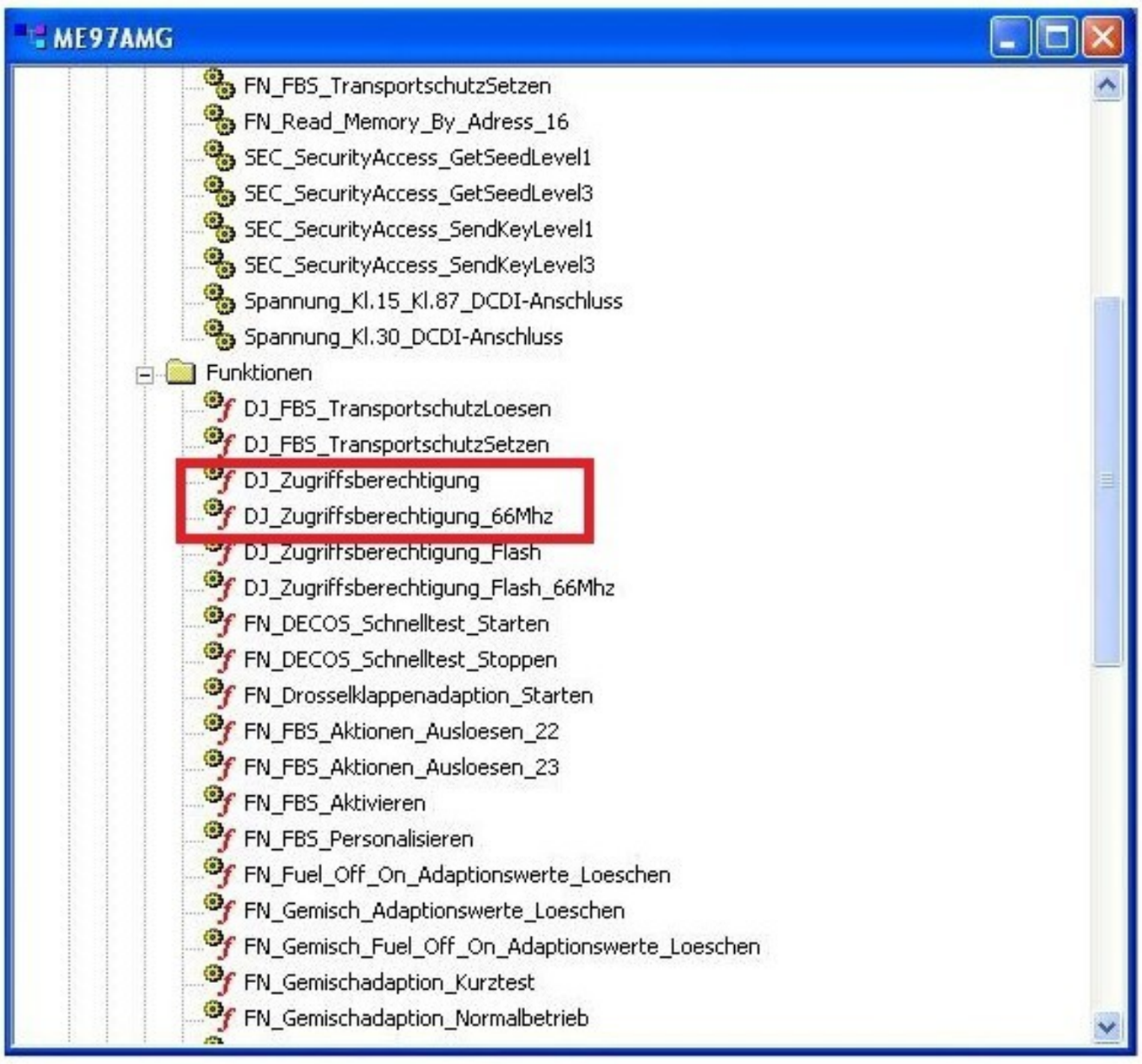


2.9 Vmax change

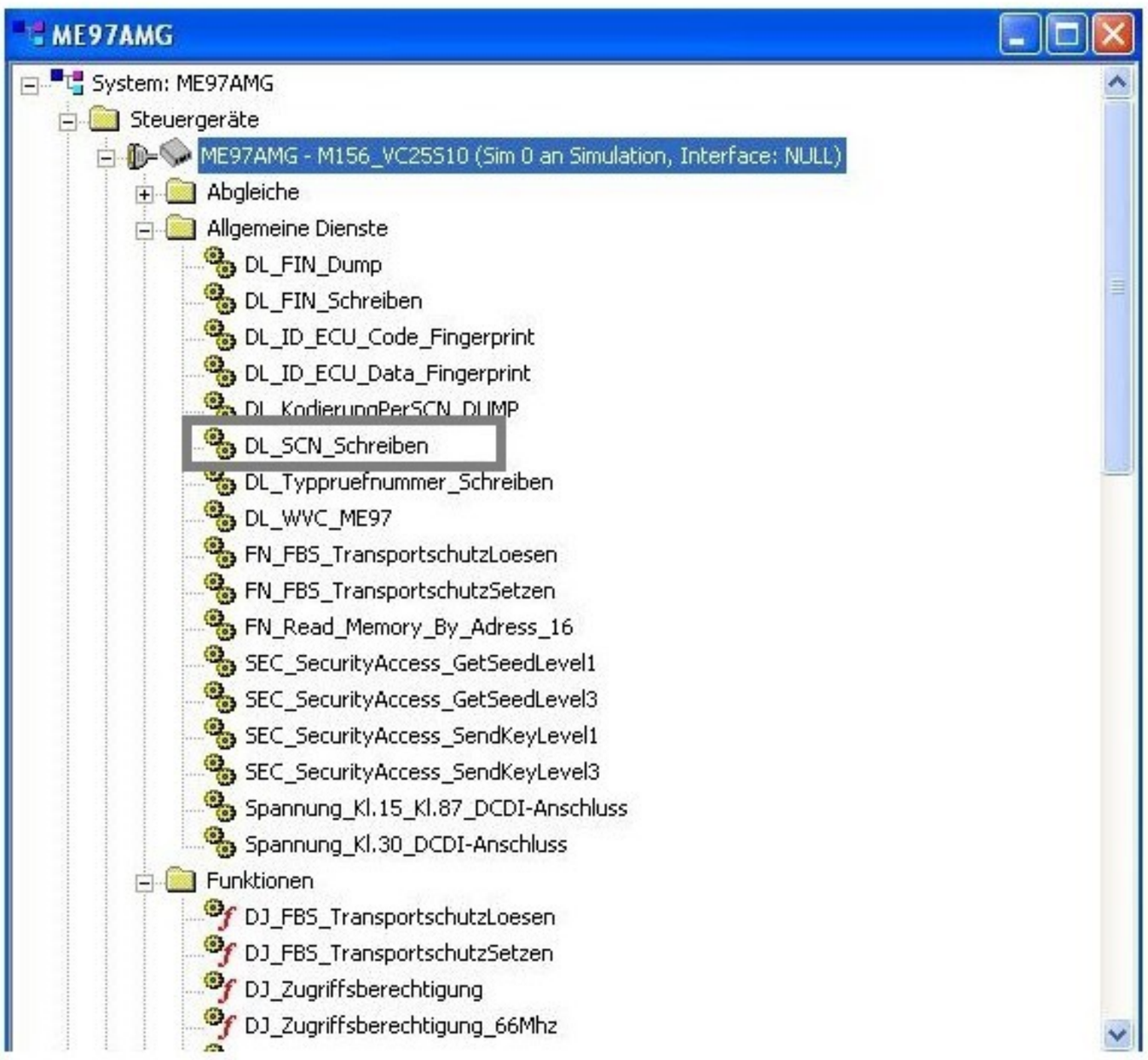
ECU: Engine ECU – Me97
Hard reset sollte hinterher durchgeführt werden
Hard reset should be performed afterwards

Both Zugriffberechtigung functions activated/needed
Engine needs to be turned off !

Open your engine ecu.
Search in variant coding for Vmax and turn it to the desired value.
I think it was in implicit coding.



OR



2.9.1 Possible velocities due to engine and carline

W176 - A45 AMG --> 274 km/h

2.10 Pedal characteristic curve – Faster engine response

EXPLAINATIONS - Please READ

#1 (Lastschlagdaempfung) This is the most important one. This parameter seems to be the main culprit for the inconsistent feeling throttle response and sluggishness, and I believe it causes the wonky throttle body adaptations which I find so awful. Disabling it has removed most, if not all delay in throttle input. It is referred to as "load-reversal damping" in Vediamo (german), but it is the "Throttle Change Damping" parameter in Xentry. I changed this parameter about a month after the others, and it definitely had the most significant impact on throttle response, and now the throttle is very consistent in performance. I believe this parameter is more directly related to the actual throttle body than the gas pedal, unlike the next parameter.

#2 (Pedalkennlinie) This is the pedal curve parameter. My car had KLD4 as default. You can play with this, and possibly leave it at KLD4. However, I changed it to KLD2. From what I understand, KLD2 is meant for cars with a manual transmission, and as such, I'd expect the pedal curve to be the most "natural" feeling to the driver. In contrast, I believe KLD4 is more responsive, but "jumpier" (more erratic in terms of throttle input). Combining KLD4 with disabling the throttle change damping parameter may be undesirable in terms of comfort/consistency.

#3 (Momentenbegrenzung) This is the torque limit parameter. The main effect I've observed from disabling this is that the car doesn't reduce throttle/torque as much while cornering anymore, and the car seems to accelerate slightly faster from a standstill than before. May not be necessary to fix throttle delay, but I find it favourable.

#4 (Momentenerhoehung Getriebe) *This may already be set to the MSG option* This parameter is supplementary to #3. Like MrScott describes in his video, it allows the engine ECU to monitor torque output and send it to the transmission, but keeps it within safe/comfortable limits. I find this parameter to improve gear shifts very slightly; torque input and acceleration remains very steady throughout gear shifts. I believe it very slightly improves acceleration, even compared to only having the torque limiter disabled. Do not change this to the GSG setting. Doing so resulted in some very uncomfortable shifting. I'm not sure if there'd be a long term effect on the gearbox here, so just don't as a precaution. The option highlighted in black is the default setting - the ECU is not allowed to increase torque to the gearbox depending on measurement.

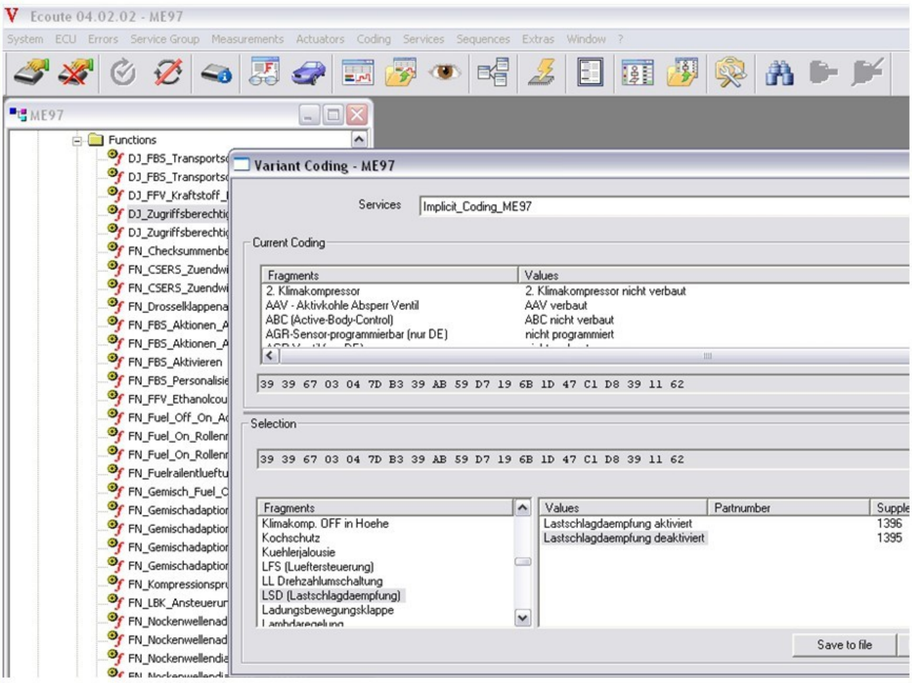
ECU: CR43, MED177 or other Engine ECU
Hard reset sollte hinterher durchgeführt werden
Hard reset should be performed afterwards

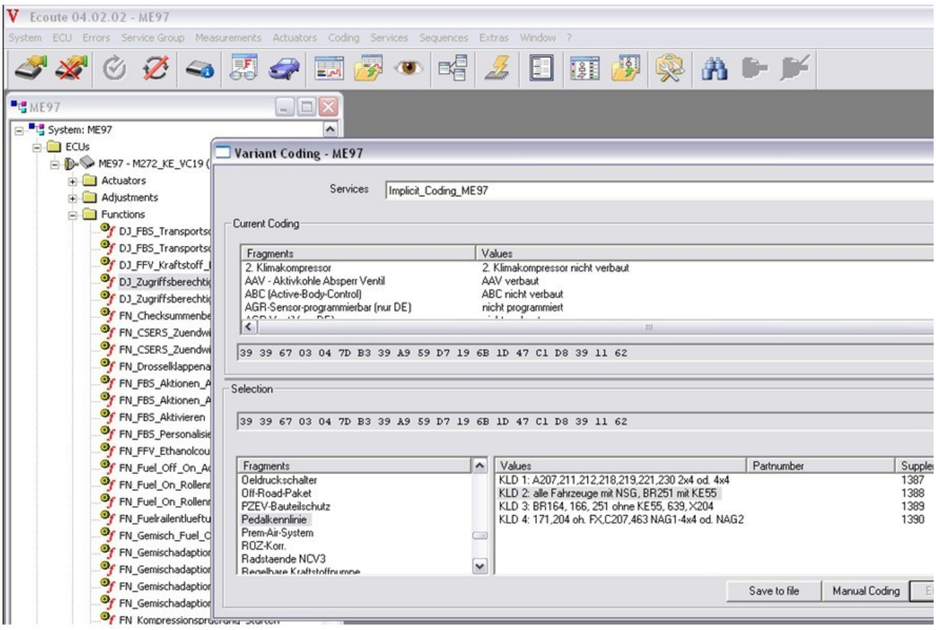
Both Zugriffberechtigung functions activated/needed
Engine needs to be turned off

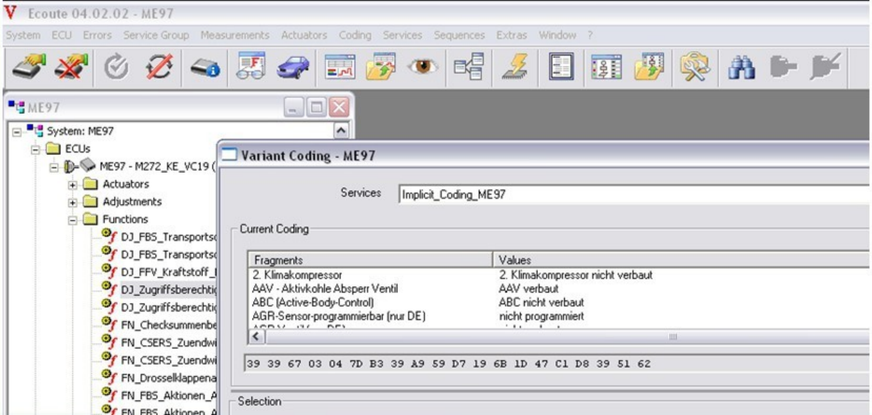
Forum comments for this coding:

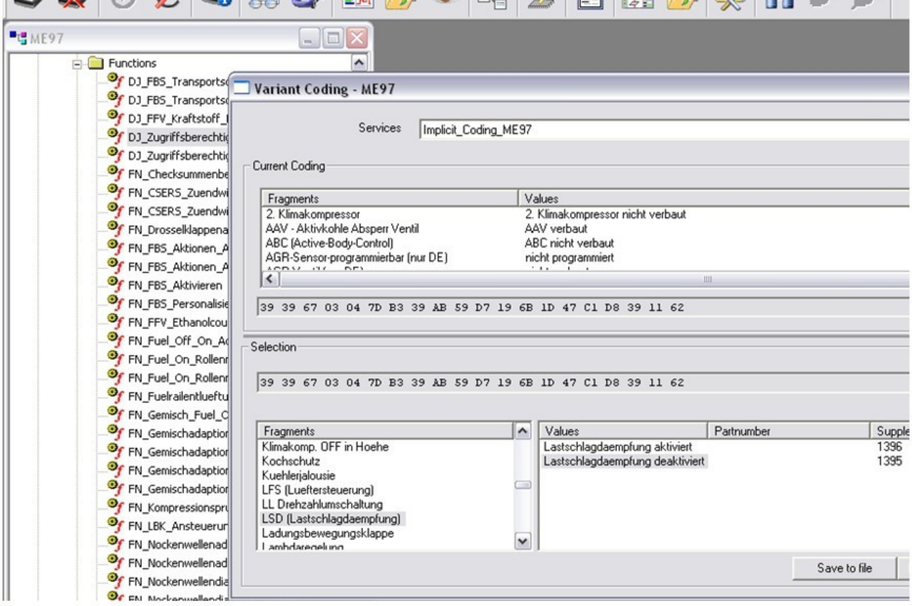
okay I successfully coded sim271de20 with latschlag, momentbegrezung and pedalkleine. I can note, that car became a lot faster. Also before coding I flashed ECU to the latest version. So if you got opportunity to do that - its a must.

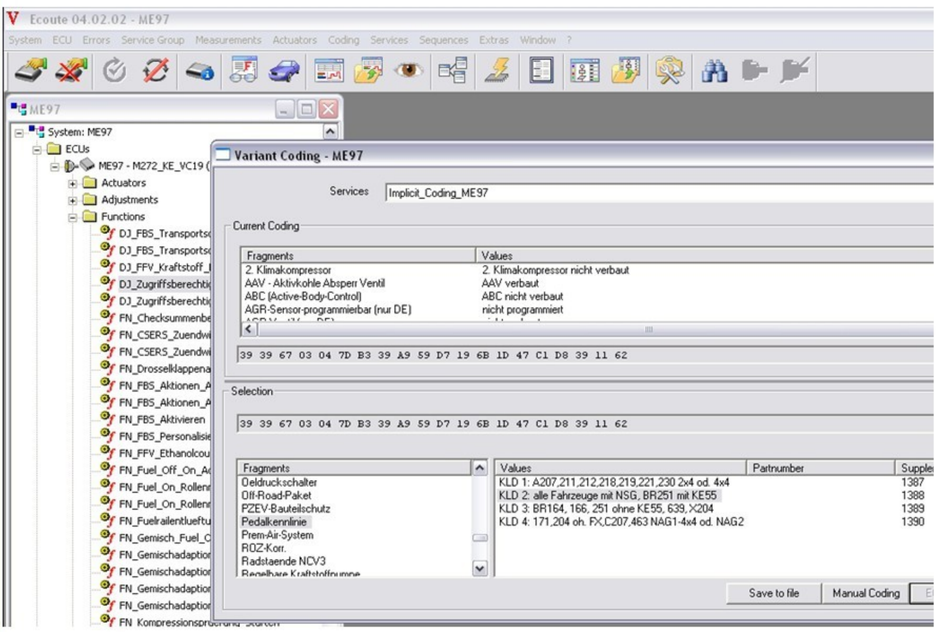
I changed from KLD1 (v221) to KLD3 (r230) and deactivated the lastschlagdämpfung.
Big difference, car is more sportive and feels quicker

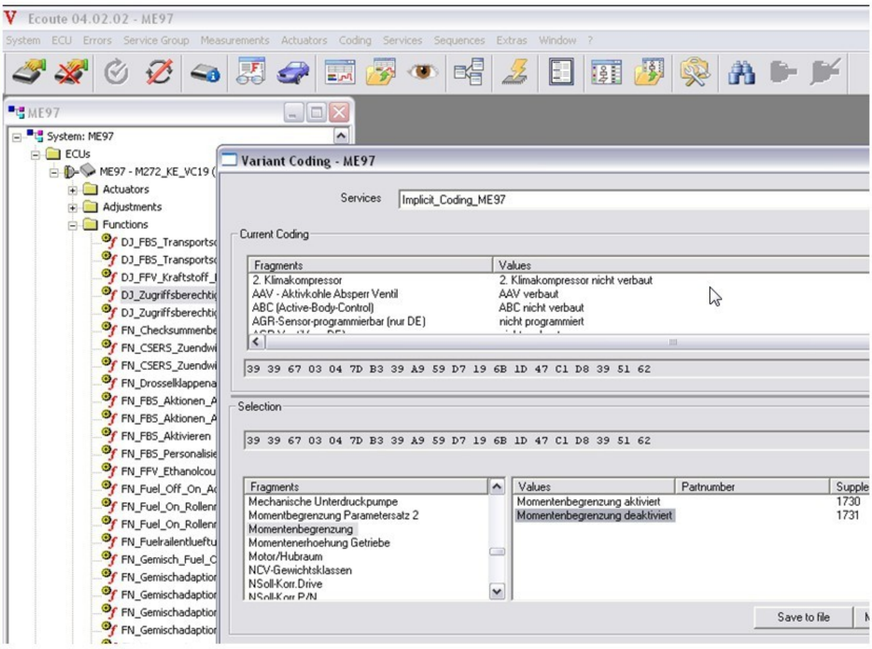


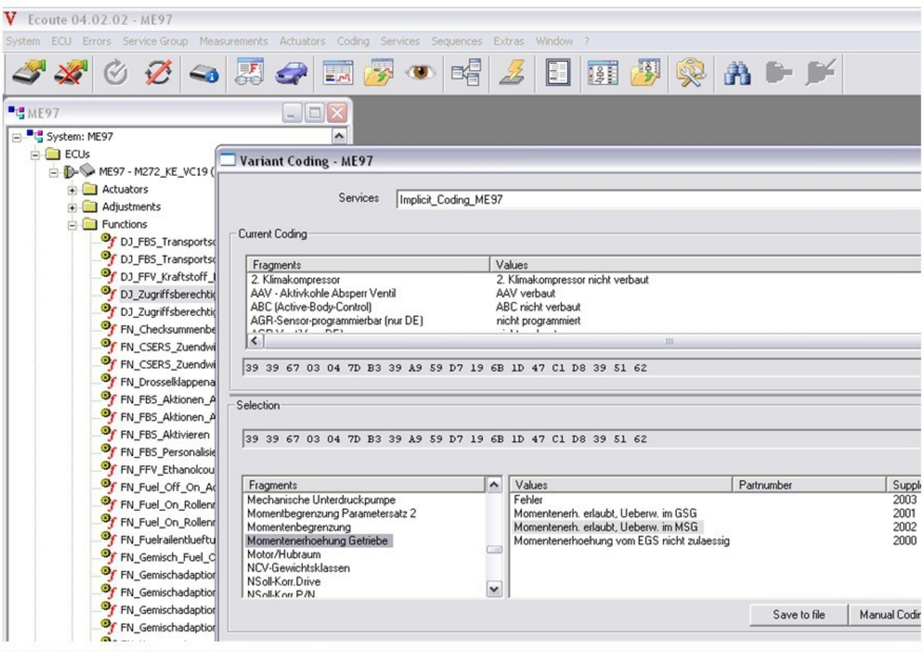





ME97
Functions
Variant Coding - ME97
Services
Implicit_Coding_ME97
Current Coding
Fragments
Values
2. Klimakompressor
2. Klimakompressor nicht verbaut
AAV - Aktivkohle Absperr Ventil
AAV verbaut
ABC (Active-Body-Control)
ABC nicht verbaut
AGR-Sensor-programmierbar (nur DE)
nicht programmiert
39 39 67 03 04 7D B3 39 AB 59 D7 19 6B 1D 47 C1 D8 39 11 62
Selection
39 39 67 03 04 7D B3 39 AB 59 D7 19 6B 1D 47 C1 D8 39 11 62
Fragments
Values
Partnumber
Klimakomp. OFF in Hoehe
Kochschutz
Kuehlerjalousie
LFS (Luefter steuerung)
LL Drehzahlumschaltung
LSD (Lastschlagdaempfung)
Ladungsbewegungsklappe
Lastschlagdaempfung aktiviert
1396
Lastschlagdaempfung deaktiviert
1395
Save to file

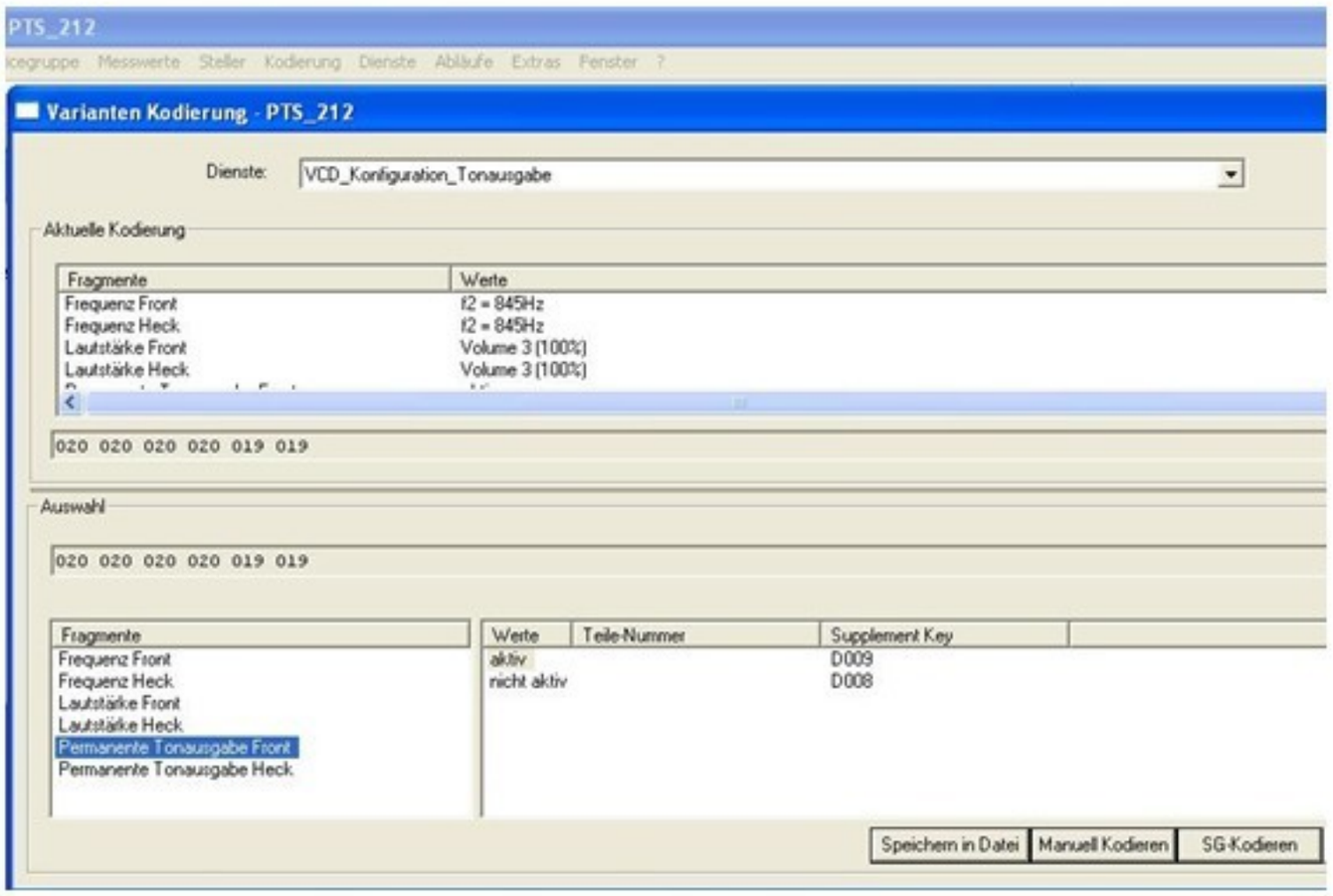

Ecoute 04.02.02 - ME97
ME97
System: ME97
ECUs
ME97 - M272_KE_VC19
Actuators
Adjustments
Functions
Variant Coding - ME97
Services
Implicit_Coding_ME97
Current Coding
Fragments
Values
2. Klimakompressor
2. Klimakompressor nicht verbaut
AAV - Aktivkohle Absperr Ventil
AAV verbaut
ABC (Active-Body-Control)
ABC nicht verbaut
AGR-Sensor-programmierbar (nur DE)
nicht programmiert
39 39 67 03 04 7D B3 39 A9 59 D7 19 6B 1D 47 C1 D8 39 11 62
Selection
39 39 67 03 04 7D B3 39 A9 59 D7 19 6B 1D 47 C1 D8 39 11 62
Fragments
Values
Partnumber
Oeldruckschalter
Off-Road-Paket
PZEV-Bauteilschutz
Pedalkennlinie
Prem-Air-System
ROZ-Korr.
Radstaende NCV3
KLD 1: A207,211,212,218,219,221,230 2x4 od. 4x4
1387
KLD 2: alle Fahrzeuge mit NSG, BR251 mit KE55
1388
KLD 3: BR164, 166, 251 ohne KE55, 639, X204
1389
KLD 4: 171,204 oh. FX,C207,463 NAG1-4x4 od. NAG2
1390
Save to file
Manual Coding

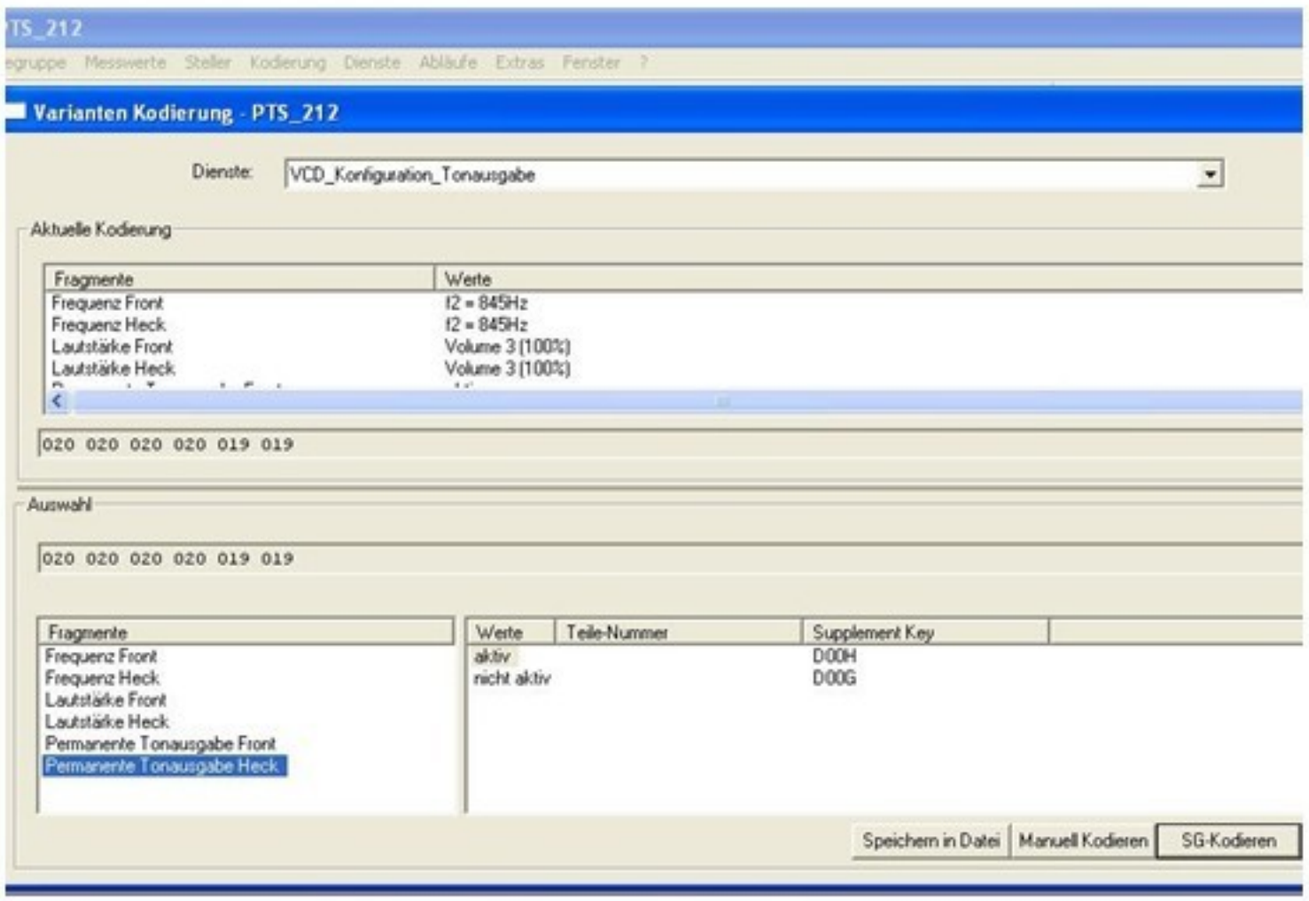

Ecoute 04.02.02 - ME97
ME97
System: ME97
ECUs
ME97 - M272_KE_VC19
Actuators
Adjustments
Functions
Variant Coding - ME97
Services
Implicit_Coding_ME97
Current Coding
Fragments
Values
2. Klimakompressor
2. Klimakompressor nicht verbaut
AAV - Aktivkohle Absperr Ventil
AAV verbaut
ABC (Active-Body-Control)
ABC nicht verbaut
AGR-Sensor-programmierbar (nur DE)
nicht programmiert
39 39 67 03 04 7D B3 39 A9 59 D7 19 6B 1D 47 C1 D8 39 51 62
Selection
39 39 67 03 04 7D B3 39 A9 59 D7 19 6B 1D 47 C1 D8 39 51 62
Fragments
Values
Partnumber
Mechanische Unterdruckpumpe
Momentbegrenzung Parametersatz 2
Momentenbegrenzung
Momentenerhoehung Getriebe
Motor/Hubraum
NCV-Gewichtsklassen
NSoll-Korr.Drive
Momentenbegrenzung aktiviert
1730
Momentenbegrenzung deaktiviert
1731
Save to file


Ecoute 04.02.02 - ME97
ME97
System: ME97
ECUs
ME97 - M272_KE_VC19
Actuators
Adjustments
Functions
Variant Coding - ME97
Services
Implicit_Coding_ME97
Current Coding
Fragments
Values
2. Klimakompressor
2. Klimakompressor nicht verbaut
AAV - Aktivkohle Absperr Ventil
AAV verbaut
ABC (Active-Body-Control)
ABC nicht verbaut
AGR-Sensor-programmierbar (nur DE)
nicht programmiert
39 39 67 03 04 7D B3 39 A9 59 D7 19 6B 1D 47 C1 D8 39 51 62
Selection
39 39 67 03 04 7D B3 39 A9 59 D7 19 6B 1D 47 C1 D8 39 51 62
Fragments
Values
Partnumber
Mechanische Unterdruckpumpe
Momentbegrenzung Parametersatz 2
Momentenbegrenzung
Momentenerhoehung Getriebe
Motor/Hubraum
NCV-Gewichtsklassen
NSoll-Korr.Drive
Fehler
2003
Momentenerh. erlaubt, Ueberw. im GSG
2001
Momentenerh. erlaubt, Ueberw. im MSG
2002
Momentenerhoehung vom EGS nicht zulaessig
2000
Save to file

2.11 PTC – acustic signal at first led

ECU: PTS_212
Hard reset should be performed afterwards

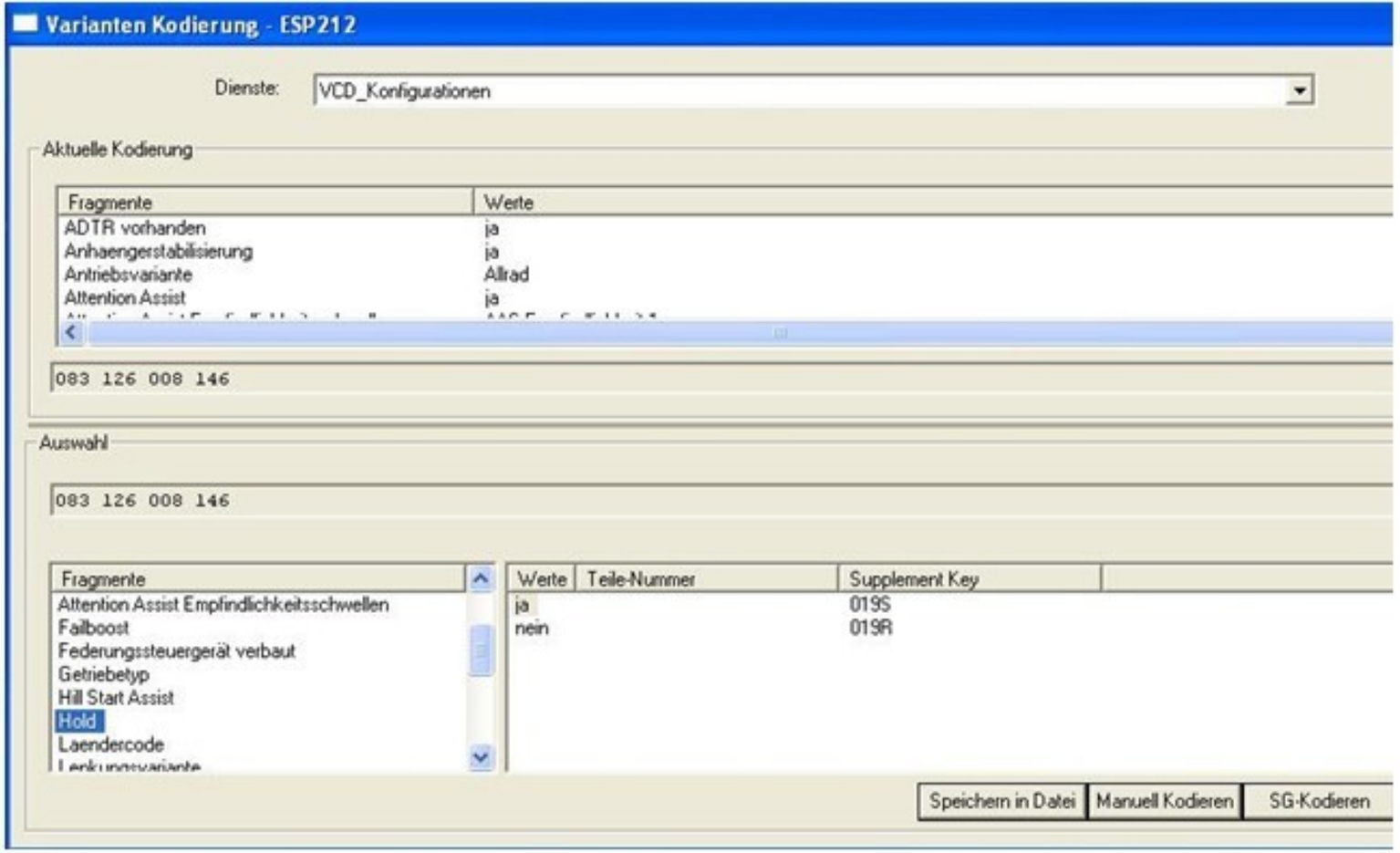




- Frequency change possible (Frequenz)
- Volume change possible (Lautstärke)

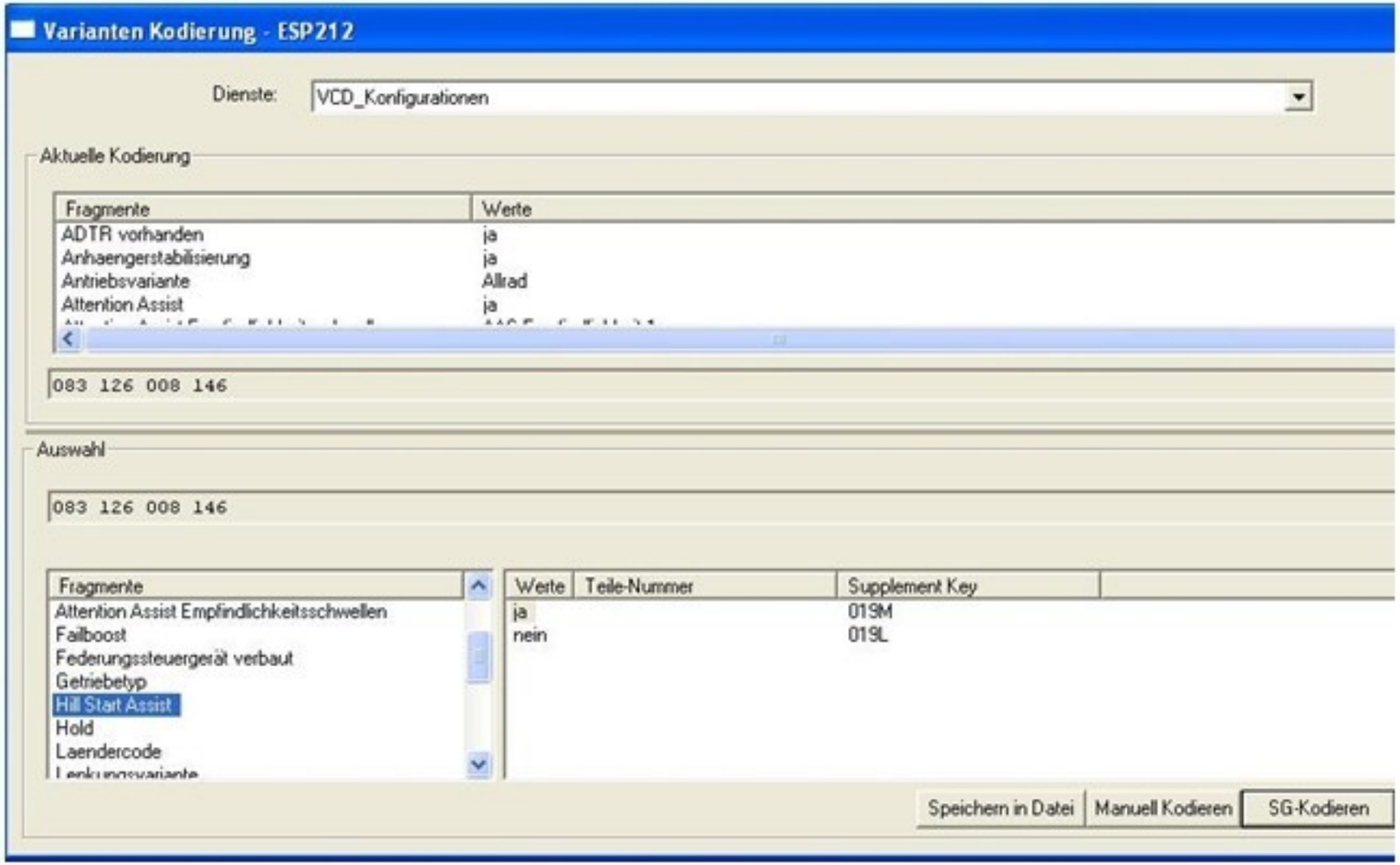
2.12 Hold function – after pushing brake once totally and second time then brake will be hold

ECU: ESP212 and CGW
Hard reset should be performed afterwards



2.13 Hill start function – keeps the brake at a hill in braking position

ECU: ESP212 maybe in CGW needed too.
Hard reset should be performed afterwards

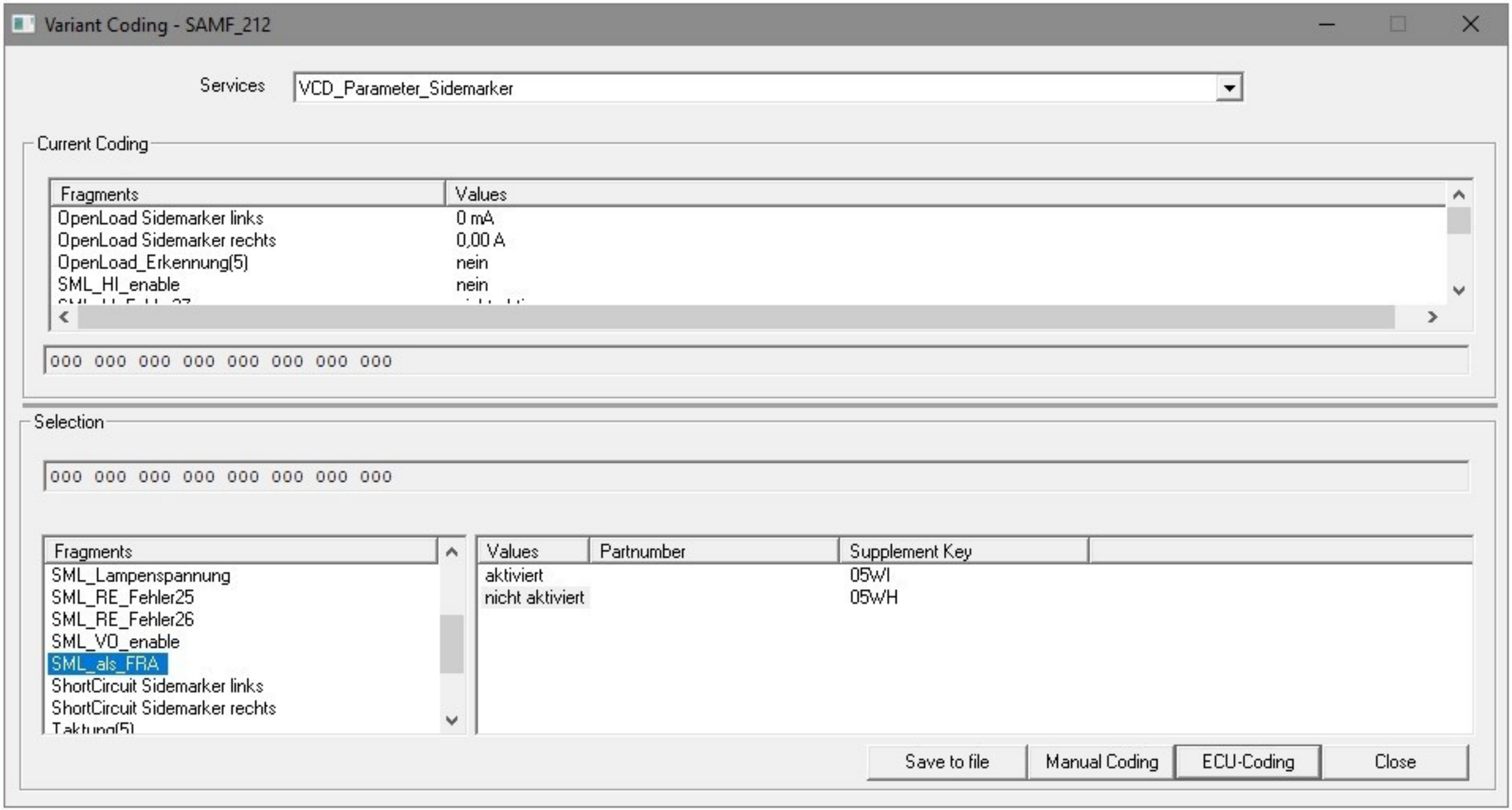


2.14 Sidemarker ECU options

2.14.1 Turn on sidemarker when turn signal

ECU: SAMF_212

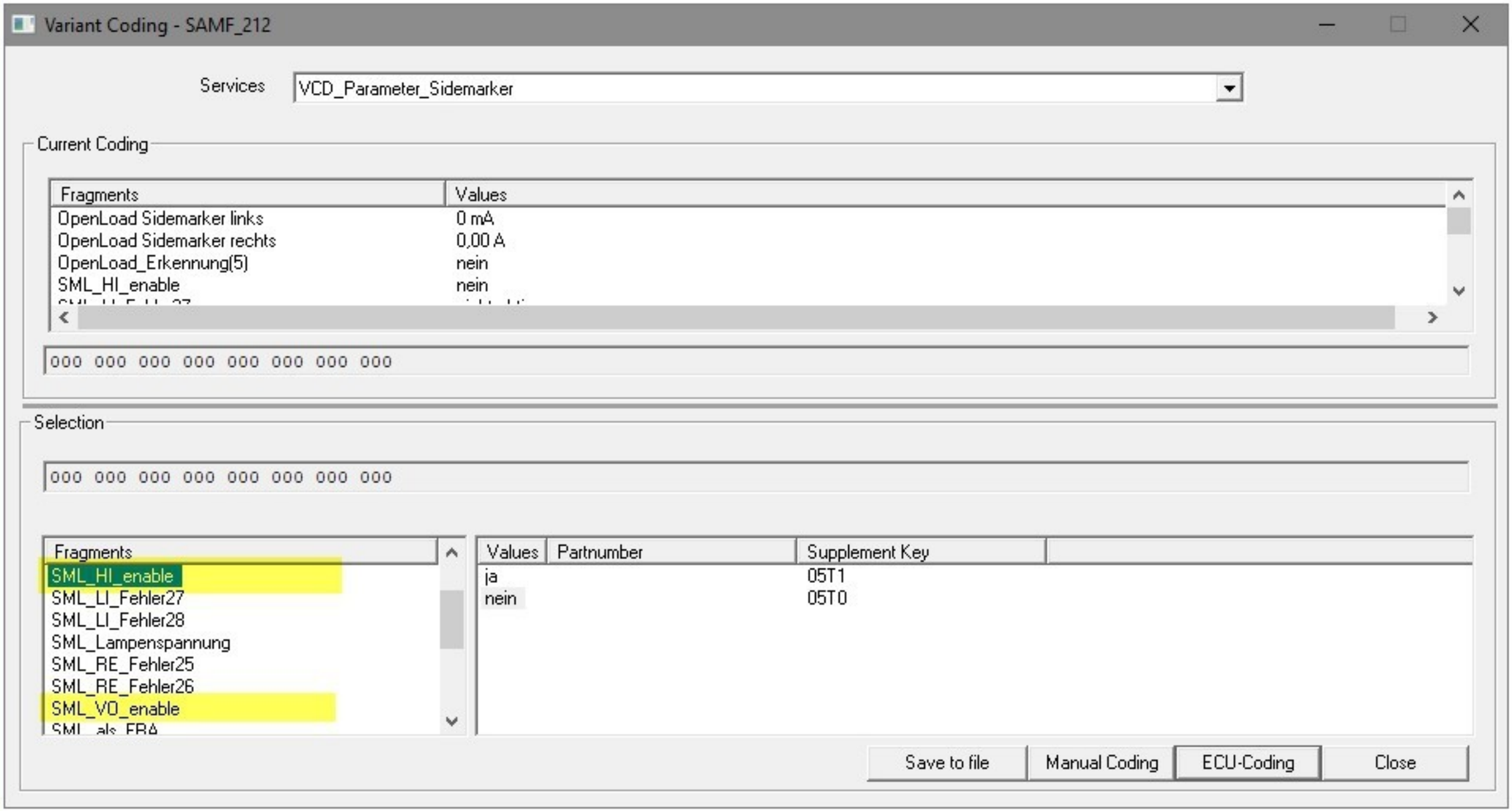
1. Open ECU SAMF_212
2. choose Dienste "VCD_Parameter_Sidemarker"
3. change SML_als_FRA to "aktiviert"



2.14.2 Sidemarker activation even if USA coding is missing

ECU: SAMF_212

1. Open ECU SAMF_212
2. choose Dienste "Parameter Sidemarker"
3. change for front SML_VO_enable to "ja"
3. change for rear SML_HI_enable to "ja"



2.14.3 W205 - Disable sidemarker - US to ECE conversion

ECU: BC_F222

1. **For the front Bumper:**

Group/Dienste: OLC Standlicht Modell Schreiben
PLSM_SML_HI_enable -> off
PLSM_SML_VO_enable -> off

Group/Dienste: OLC Parklicht Sidemarker HW Schreiben
Freigabe_Sidemarker_VL -> disable
Freigabe_Sidemarker_VR -> disable
Taktung_Sidemarker_VL -> disable
Taktung_Sidemarker_VR -> disable

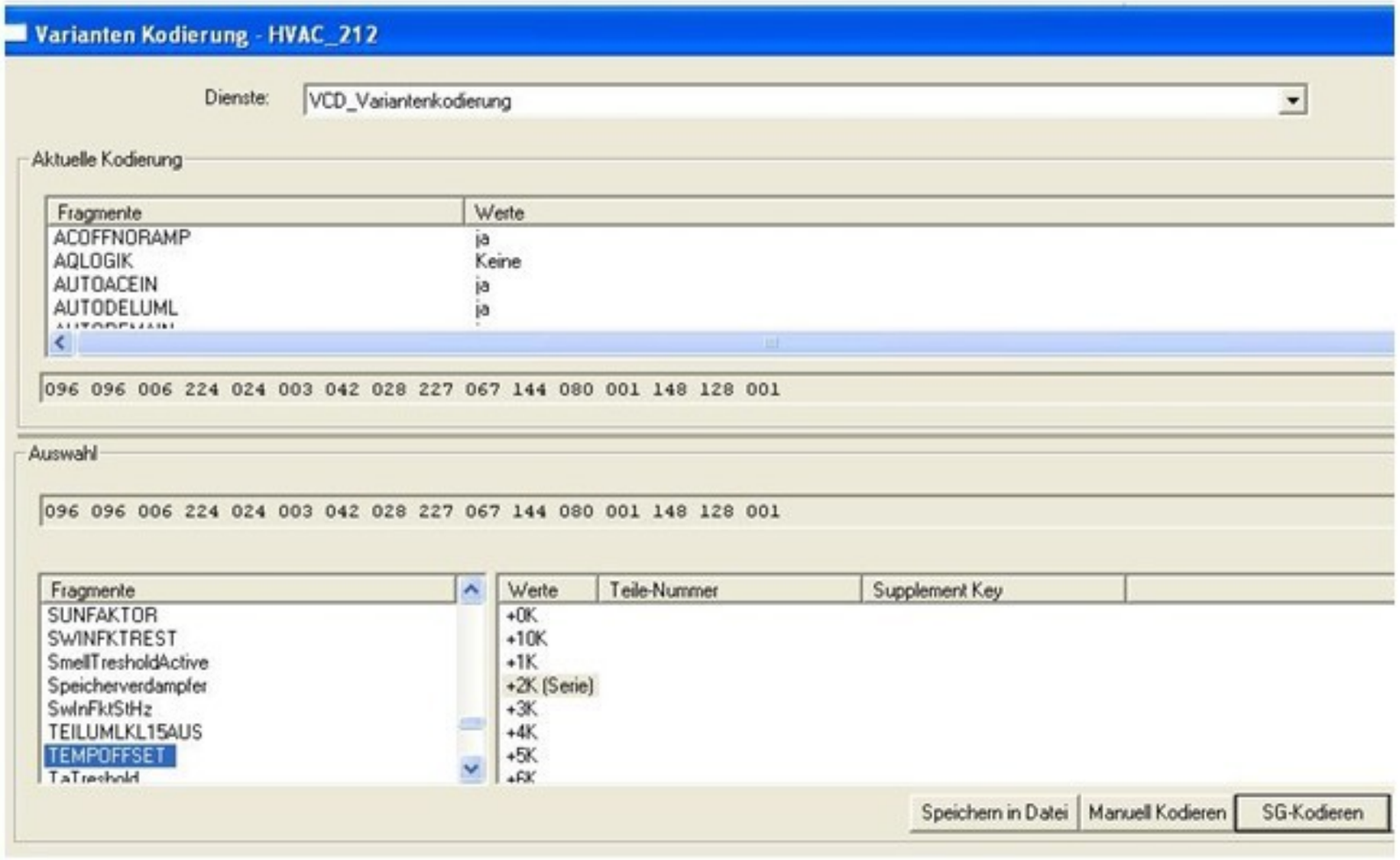
2. **For the rear Bumper**

ECU: BC_R222
Group/Dienste: OLC Standlicht HW Write
Freigabe_SM hi links -> disable
Freigabe_SM hi rechts -> disable

2.15 Air condition - certain MODs

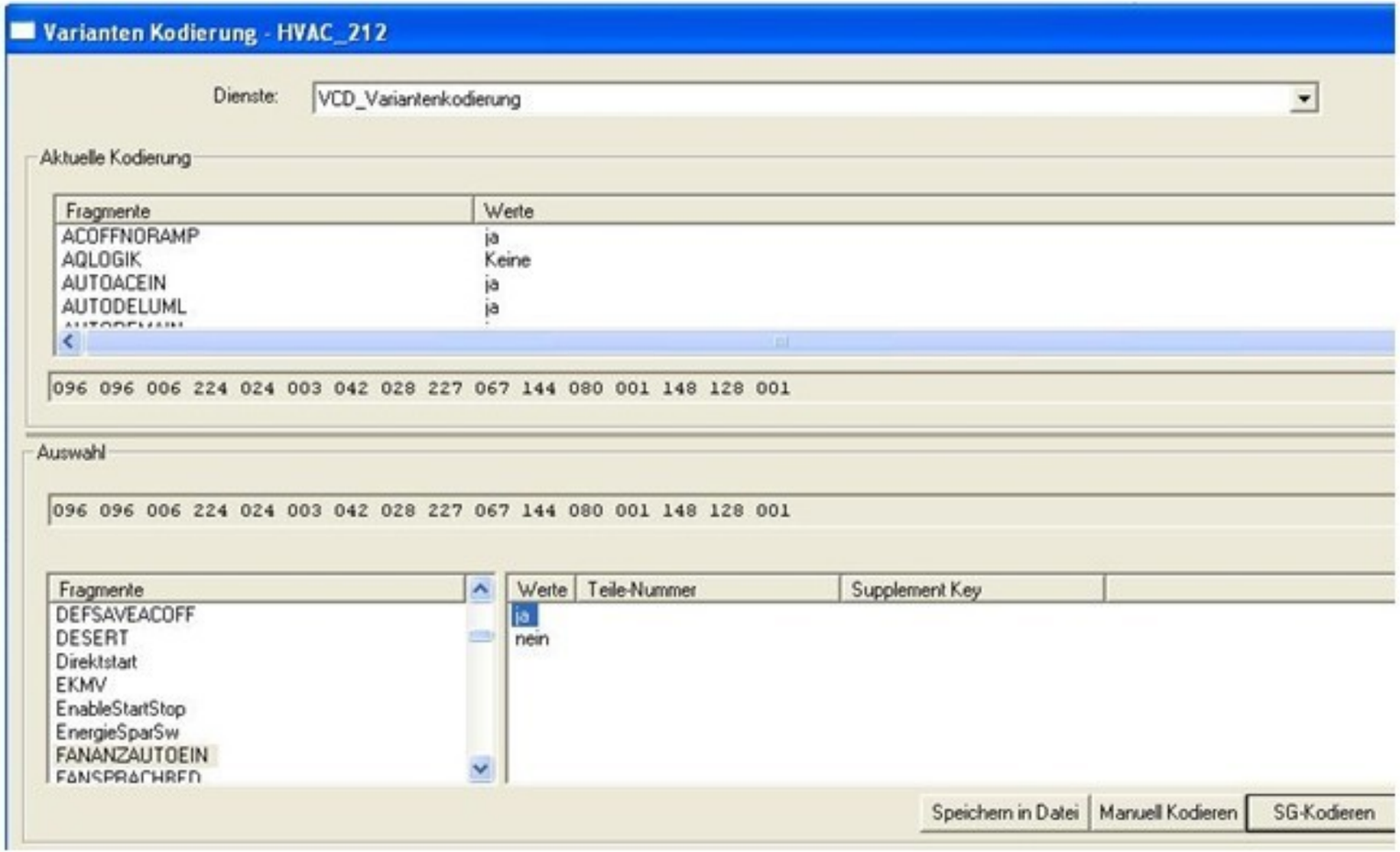
2.15.1 Temparature offset to set the air condition colder

ECU: HVAC_212
Hard reset should be performed afterwards



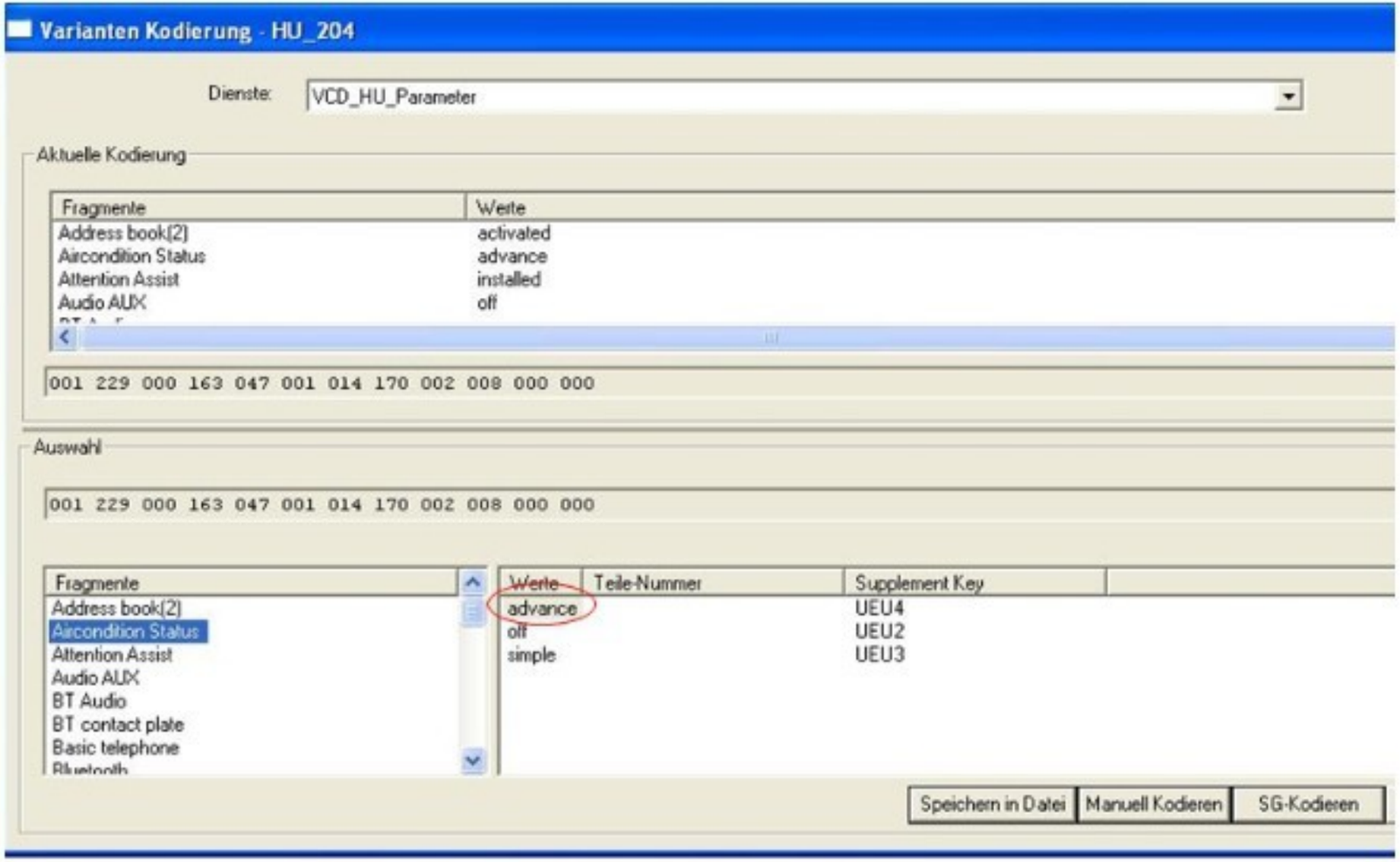
2.15.2 Ventilation bars in display turned on in auto modus

ECU: HVAC_212
Hard reset should be performed afterwards



2.15.3 Temperture change shown in Comand display

ECU: Comand - HU_204
Always click SG-codieren at the end
Hard reset should be performed afterwards

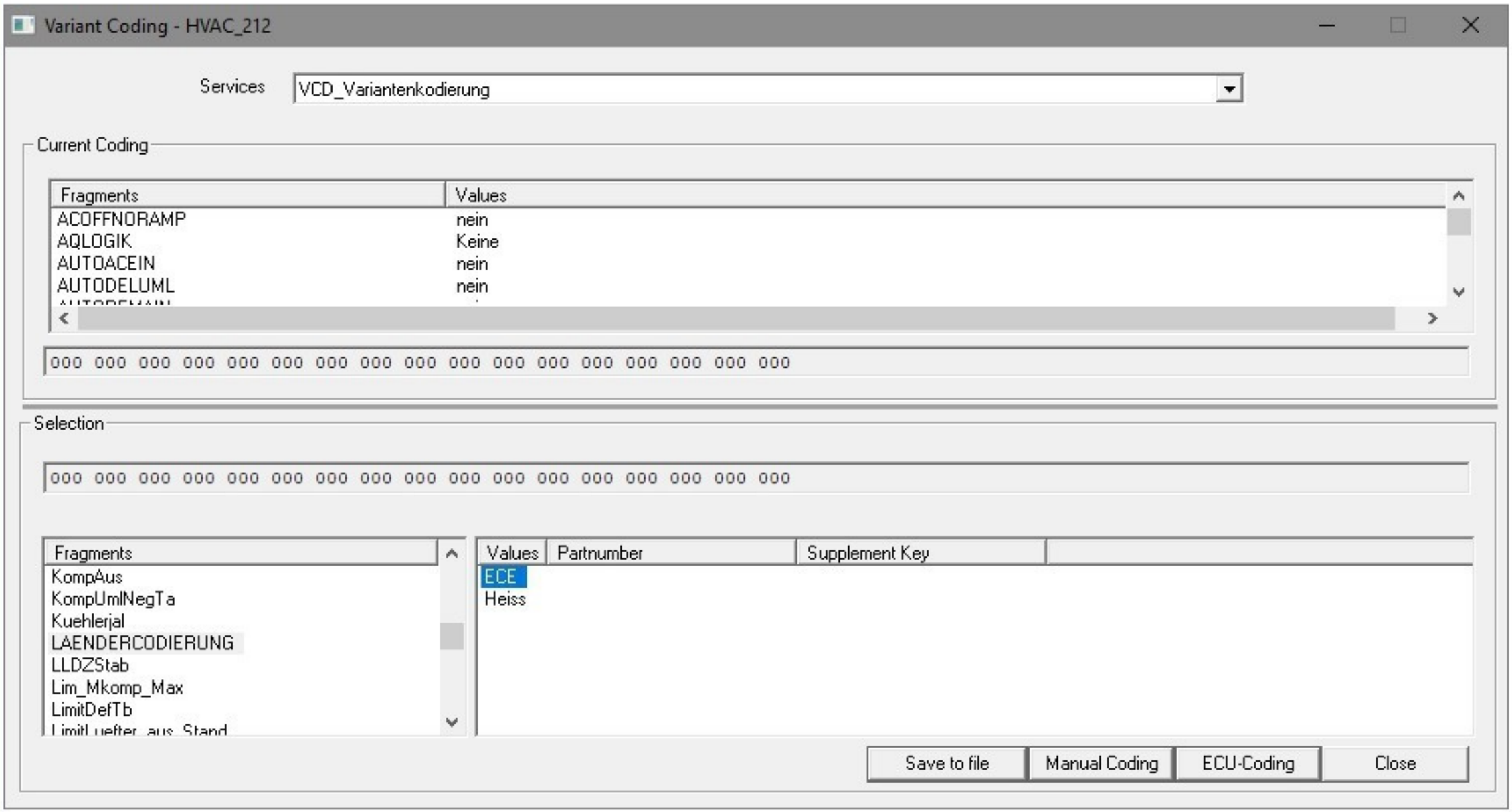


2.15.4 Change Country coding

ECU: HVAC_204

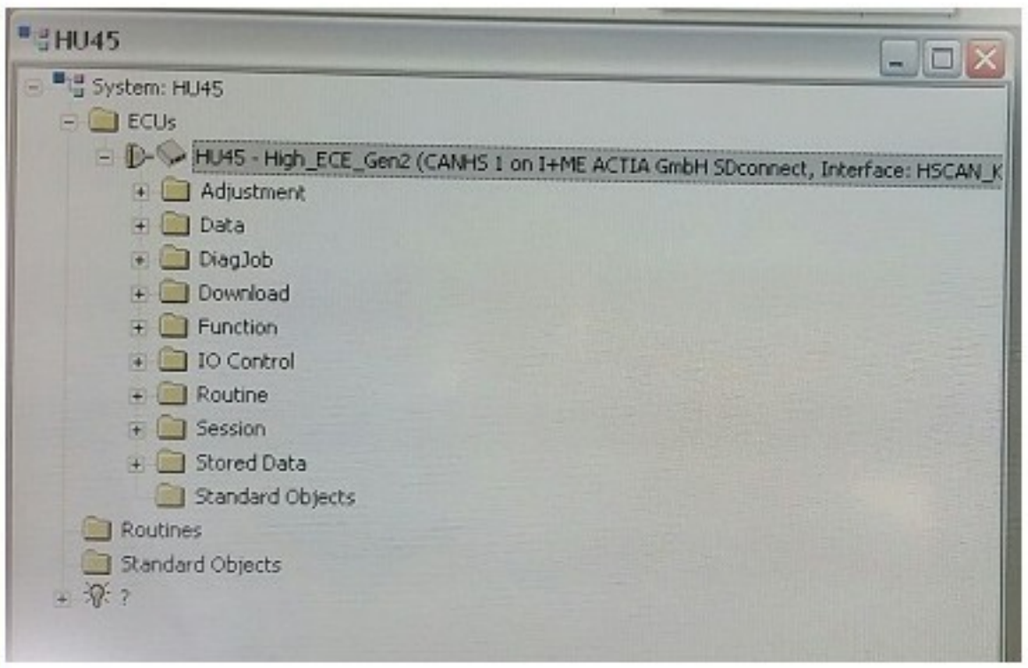
change LAENDERCODIERUNG to :
ECE
Heissland = Hotland
Soft
Japan

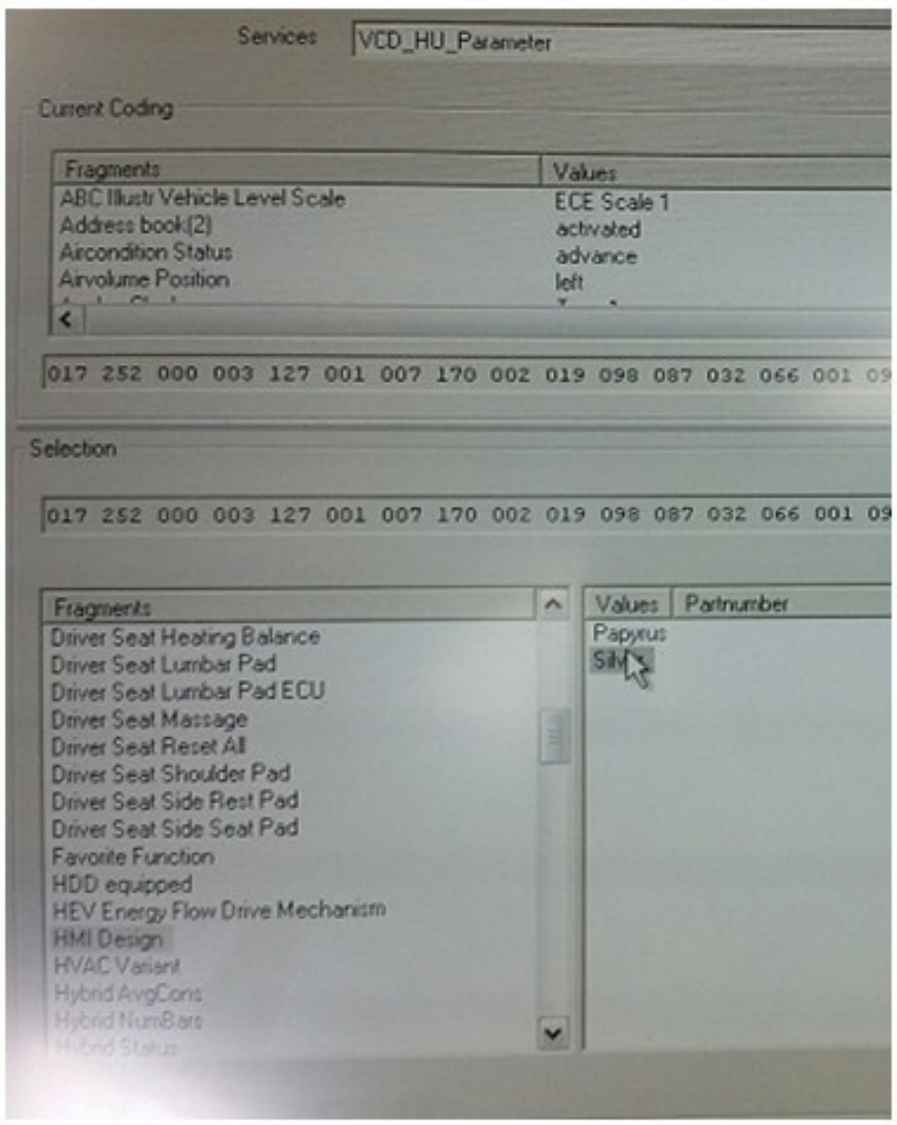
The options are dependand of the formware version



2.16 Comand NGT 4.5 layout template to papyros or silver

ECU: HU45
Hard reset should be performed afterwards

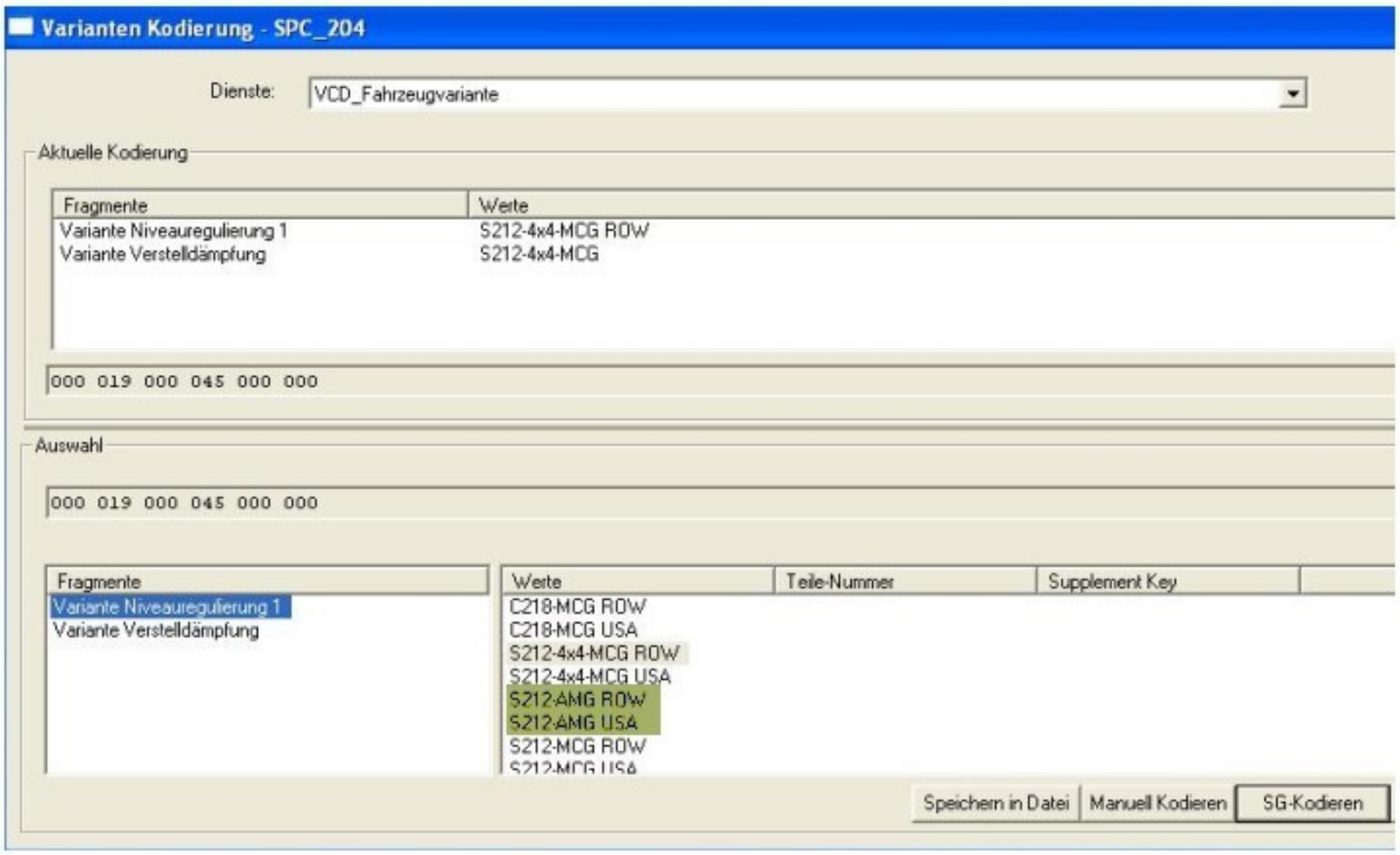




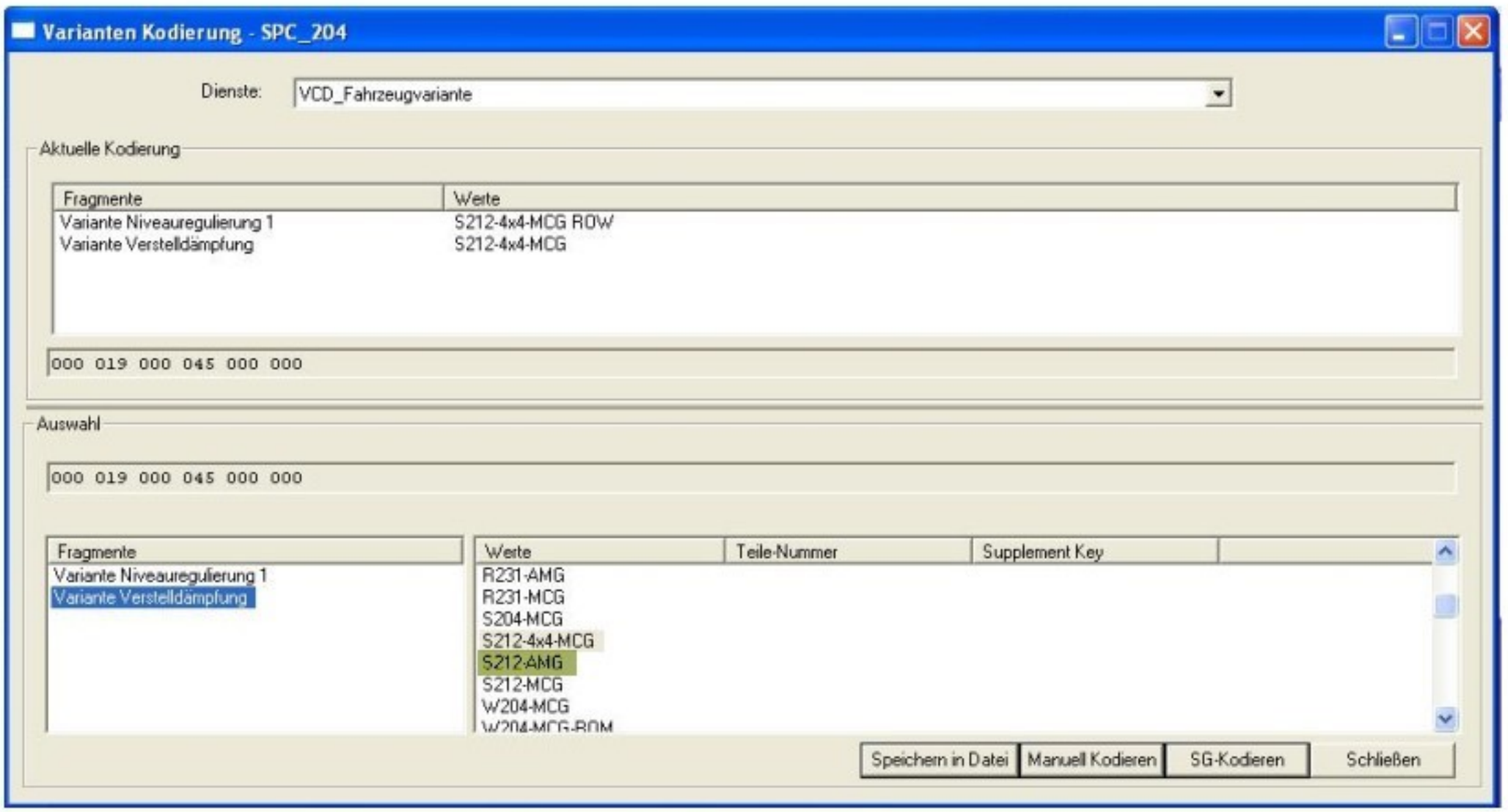
2.17 Change of chassis height and damping to AMG (airmatic)

ECU: SPC_204
search for ecu unlock

Height may be chosen to
AMG rest of world or AMG USA



Damping change to AMG



2.18 Deactivation of airmatic due to hardware change of chassis (airmatic removed)

ECUs: CGW and IC

unlock both.

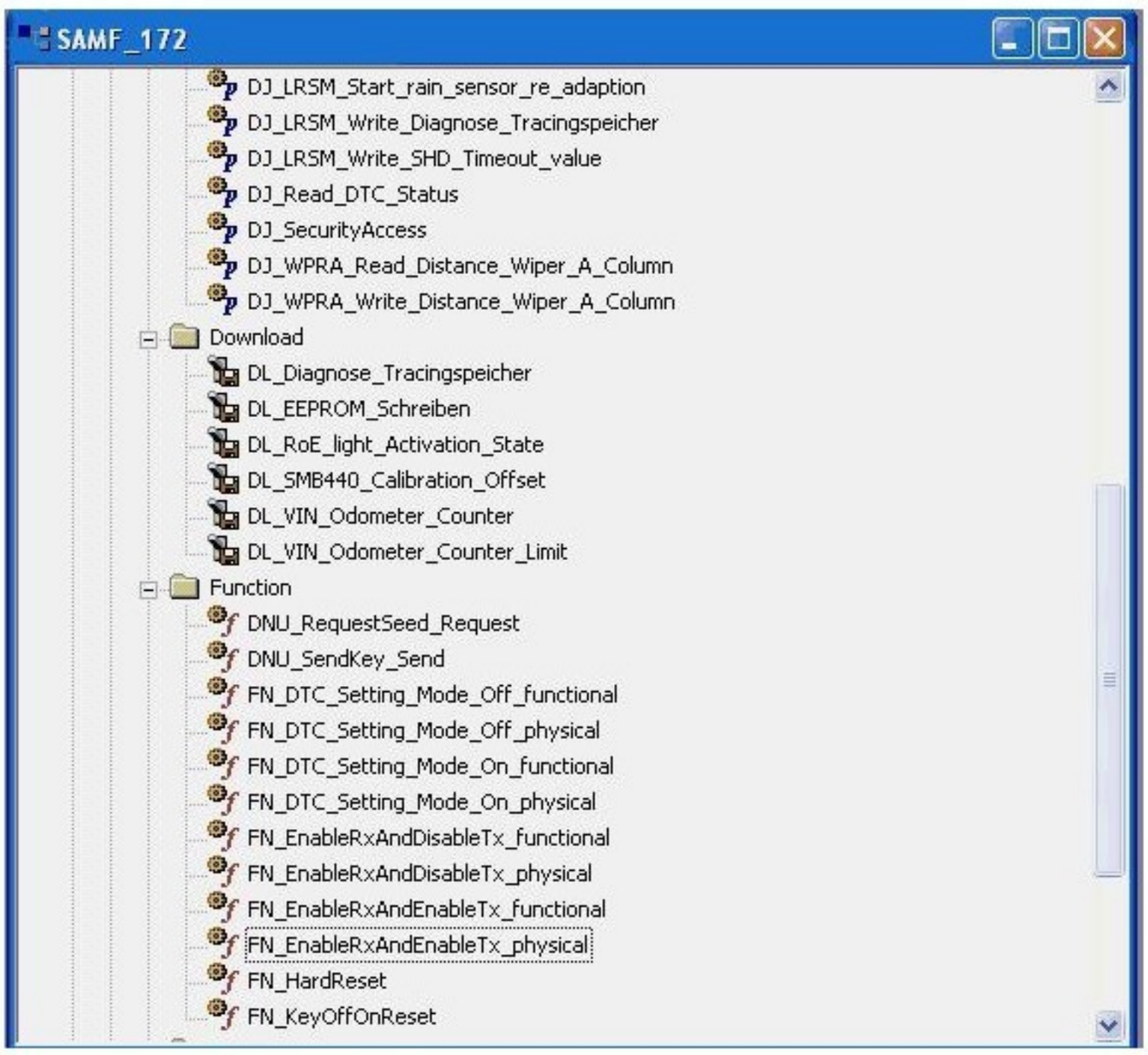
Turn off airmatic
hard reset needed

2.19 Turn on LED bow with daylights - not tested - 204 & X204

with this coding both led lights are turned on with daylights
Now Your C is active without Rear Lights

ECU:
SAMF_172 (facelift)
Samf_204 (pre facelift)

Before coding: DJ_Securityaccess needed
After coding :
DL_EEPROM_SCHREIBEN
FN_Hardreset



2.20 Retrofit - Adaptive Highbeam Assist - Code 608 - just ECU mention

- EZS - central gateway - CTRLC205
- SAM-F - BC_F222
- MPC222
- IC222
- HLI_FL222, HLI_FR222

2.21 HU5 posibilities - not tested

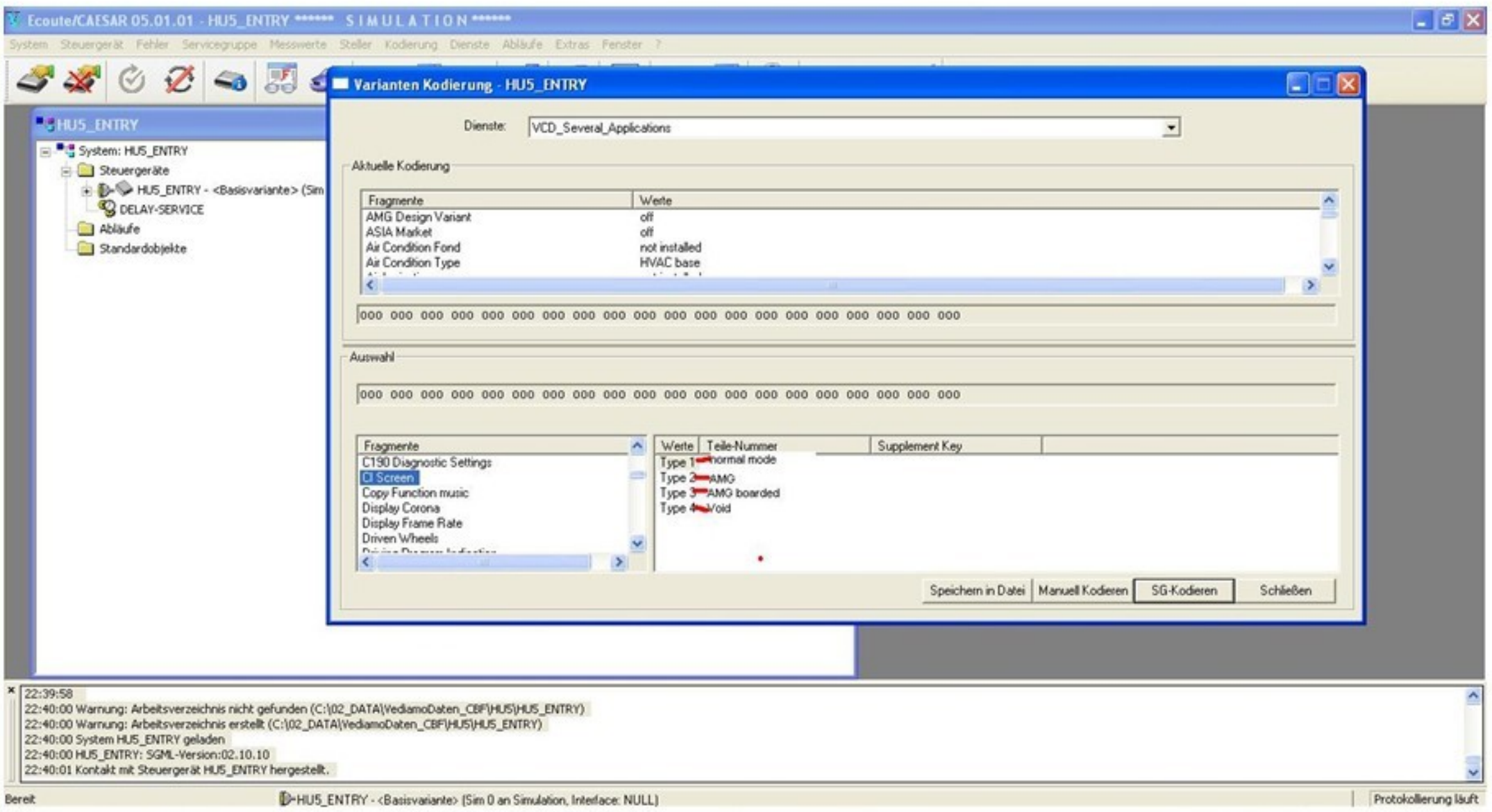
2.21.1 AMG starting pic

ECU:
HU5_ENTRY
HU5

Type 1: normal
Type 2: AMG
Type 3: AMG boarded
Type 4: void

Type2:

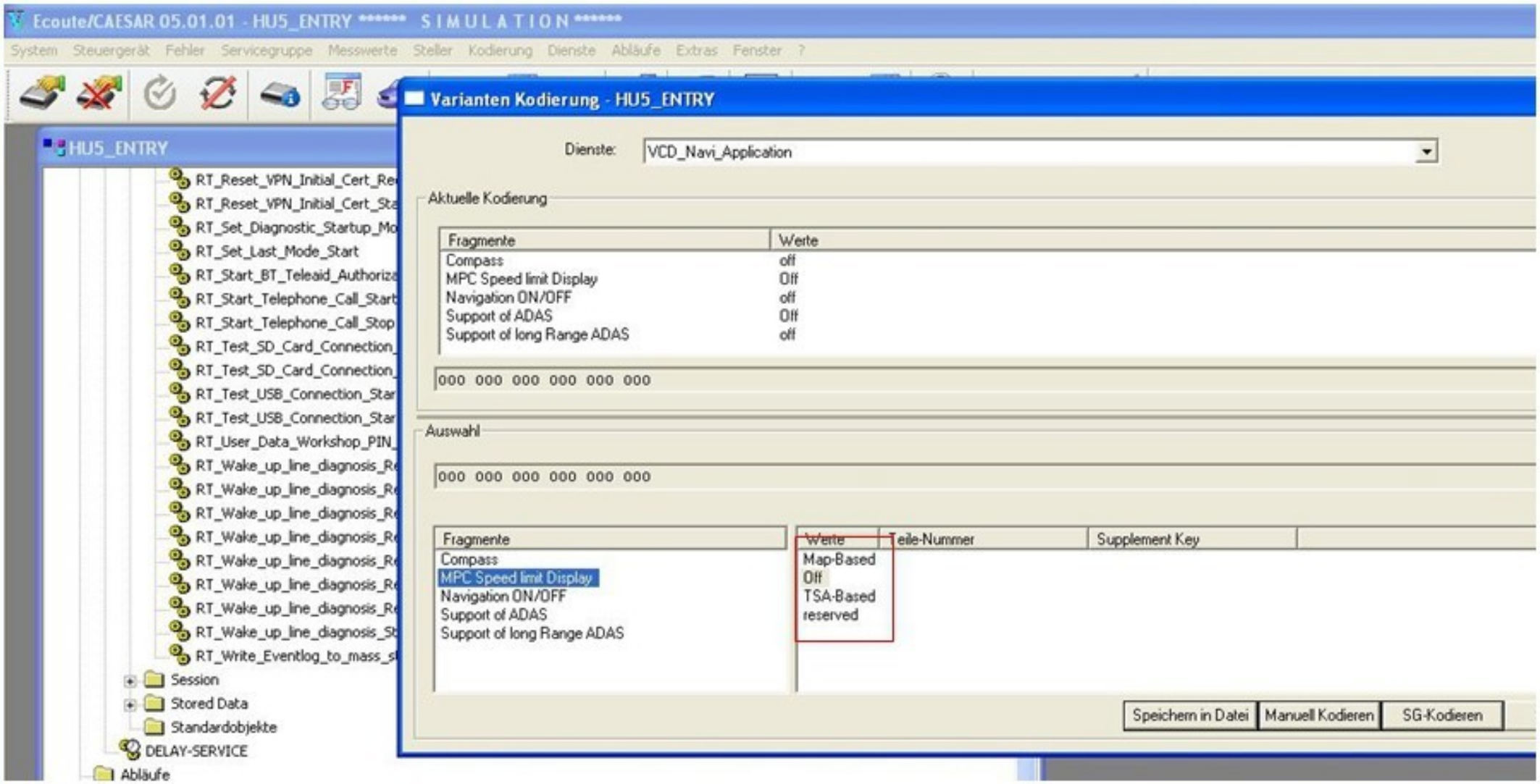
Type3:



2.21.3 Speedlimit assistant in comand

need to be tested

ECU:
HU5_ENTRY
HU5



2.21.4.Video in motion (VIM) enable - not tested

need to be tested

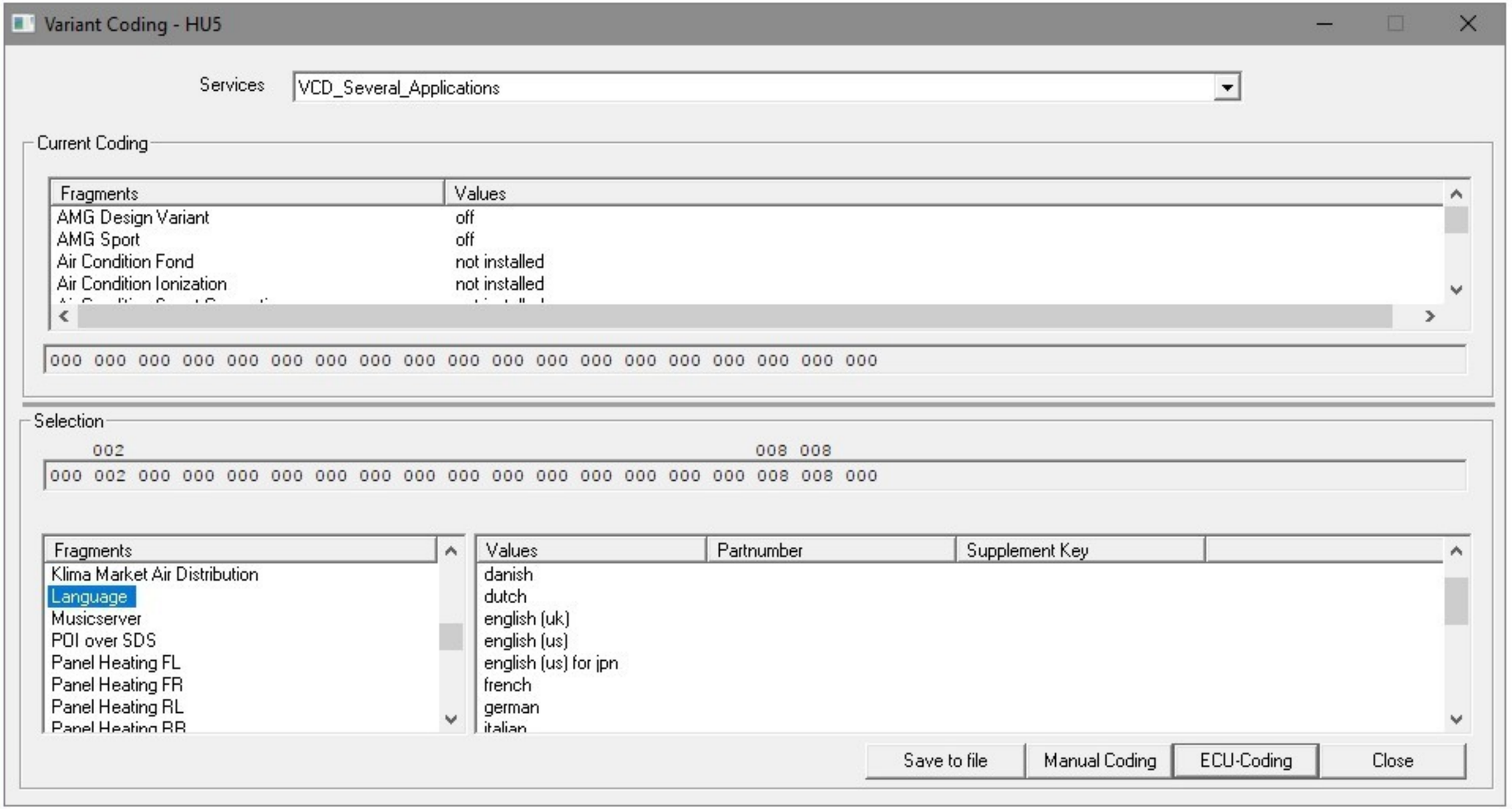
ECU: HU5

> **RE: DTS 8 MONACO HOW TO DO VARIANT CODING FOR DVD LOCK FREE(VIDEO IN MOTION)?**
>
> HU5 - driver distraction
> Manually change the string value bit 5 & bit 6 to "44" ..

Please remember the bit 5 and bit 6 so that you may change it back in case of not working.

2.21.5 Language change

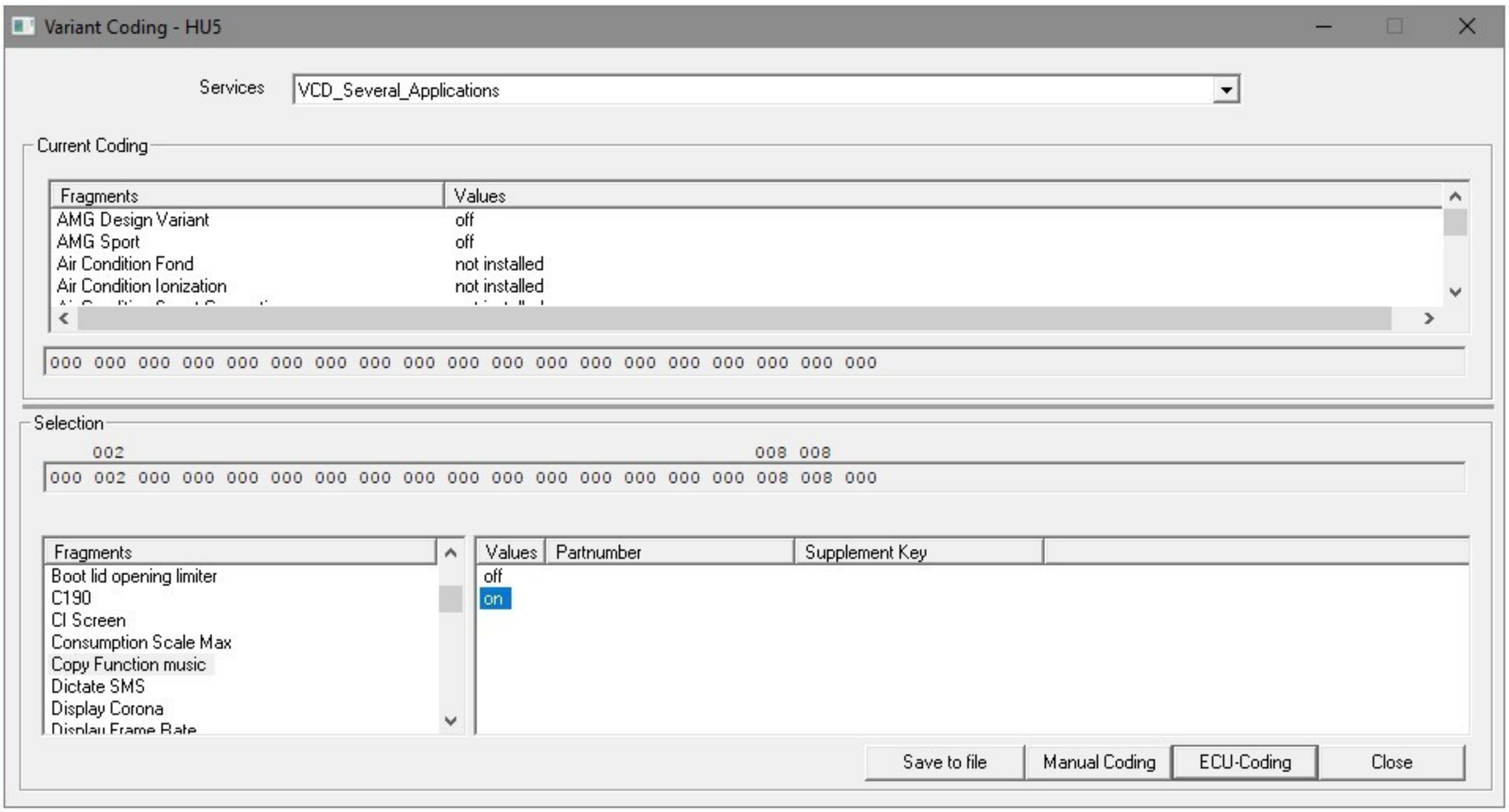
ECU: HU5

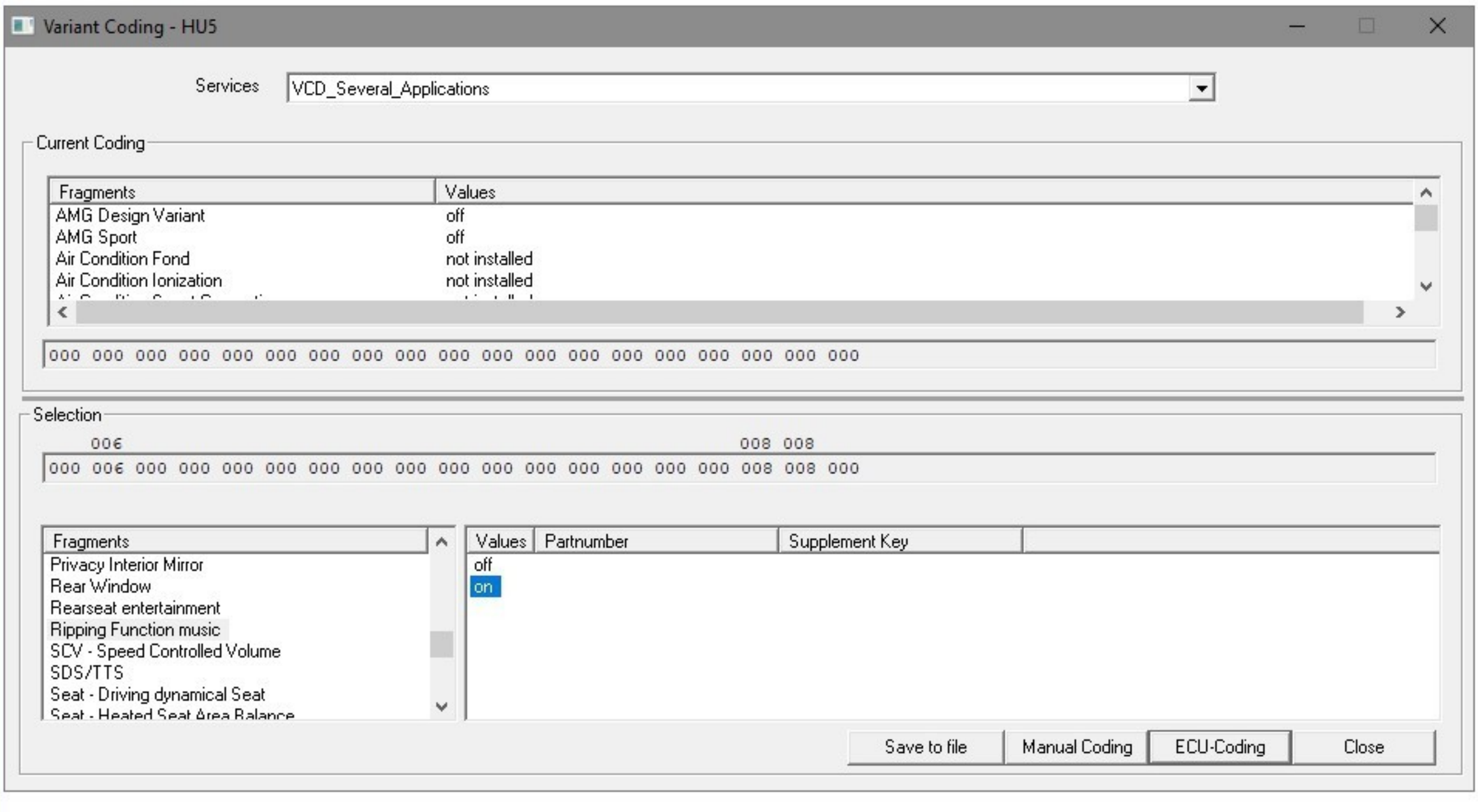


2.21.6 Turning on of ripping feature for cds

need to be tested

ECU:HU5



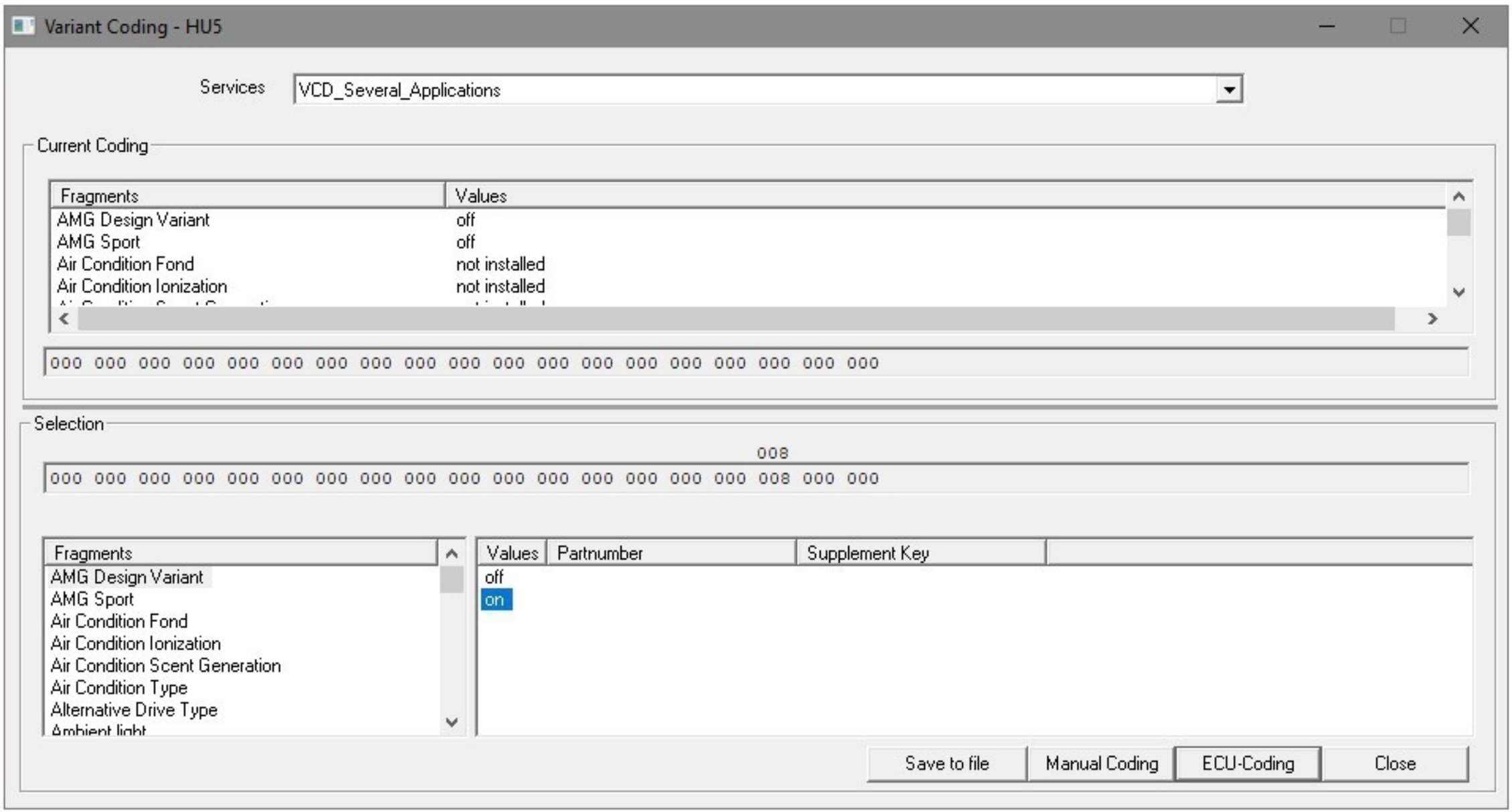


2.21.7 Turning on AMG design variant

need to be tested

ECU:
HU5

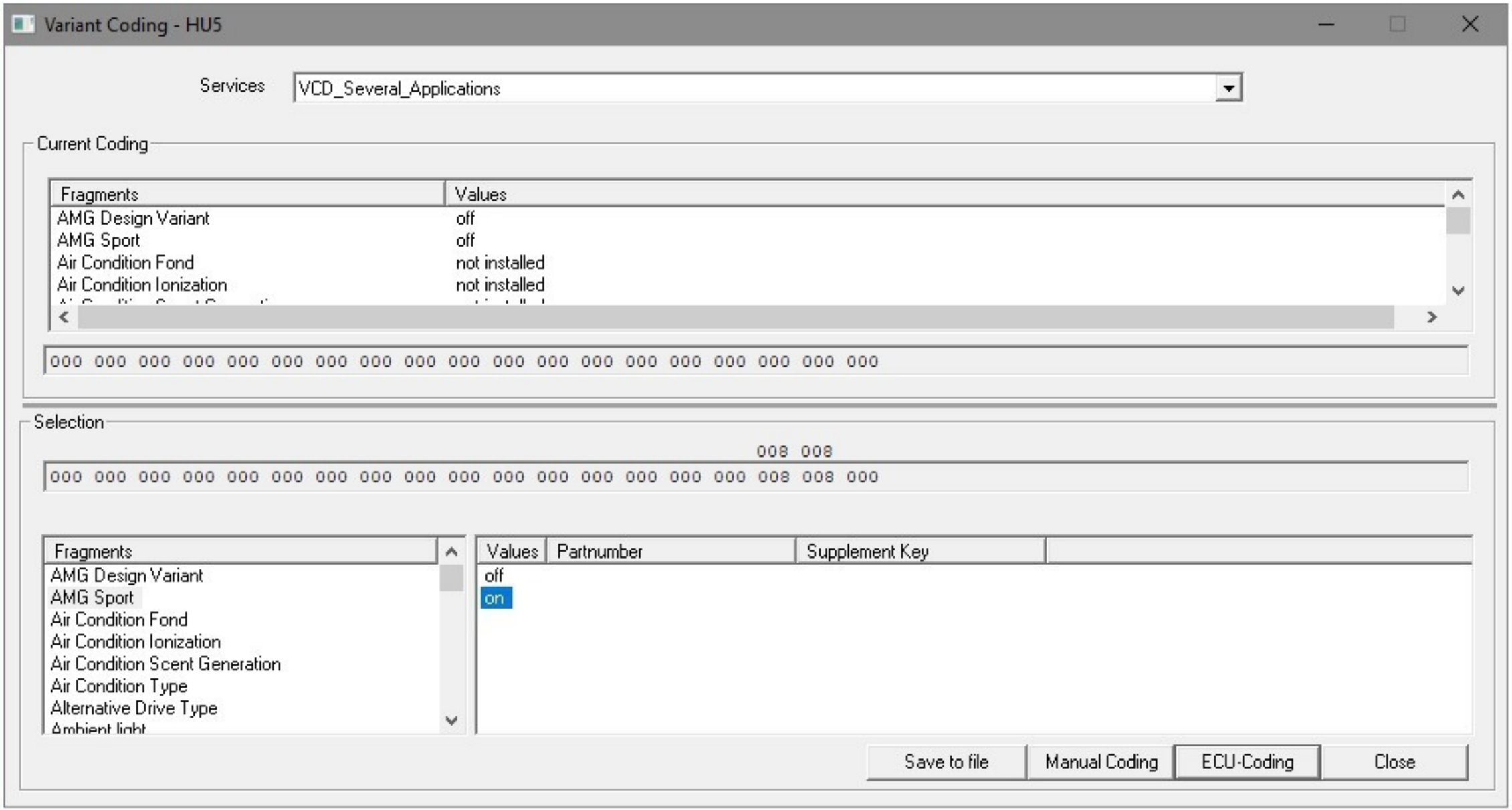
turn to on.



2.21.8 AMG Sport option - needs to be tried out

need to be tested

ECU: HU5



2.21.9 Video in Motion - VIM - not tested

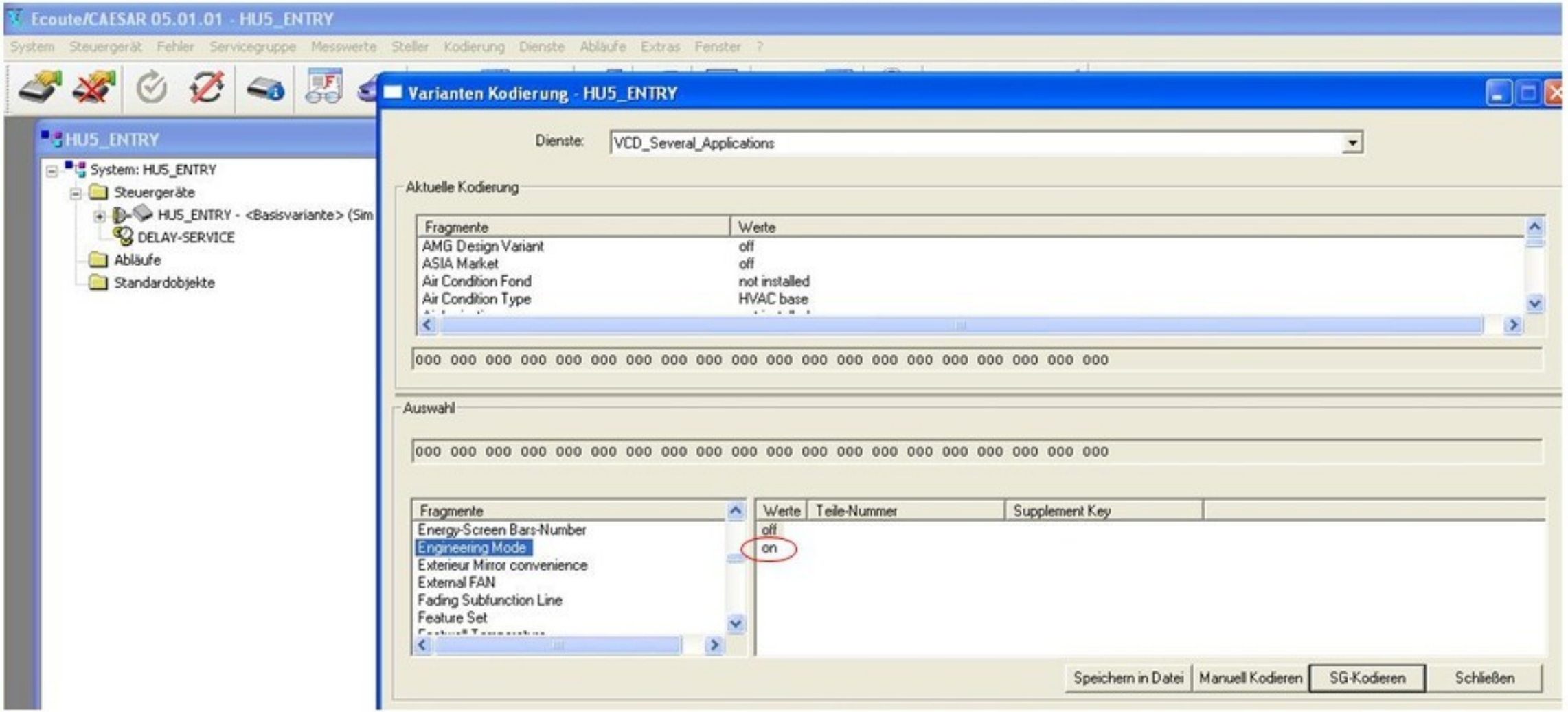
ECU: HU5

domäne/domain: Driver distraction ECE/USA/CHN

1. Fragment: General Edit speller --> enable
2. Fragment: TV/Video --> enable
3. Perform softreset reset

2.21.2 Turn on engineering mode

ECU: HU5



2.22 Comand NTG 5.5

2.22.1 Mirrorlink activation

ECU : HU55 or HU55_ENTRY

Mobile needs to have installed mirrorlink compatible apps.

Apps supporting Mirror link
http://www.mirrorlink.com/apps

At variant coding in HU

MirrorLink_Settings Remote_UI -> on
MirrorLink_Settings Notifications -> on
MirrorLink_Settings MirrorLink_over_NCM -> on
MirrorLink_Settings Transmitt_Audio_for_SDS -> on
MirrorLink_Settings Transmitt_Audio_for_Microphone -> on

MirrorLink_Parameters_4092Byte ??

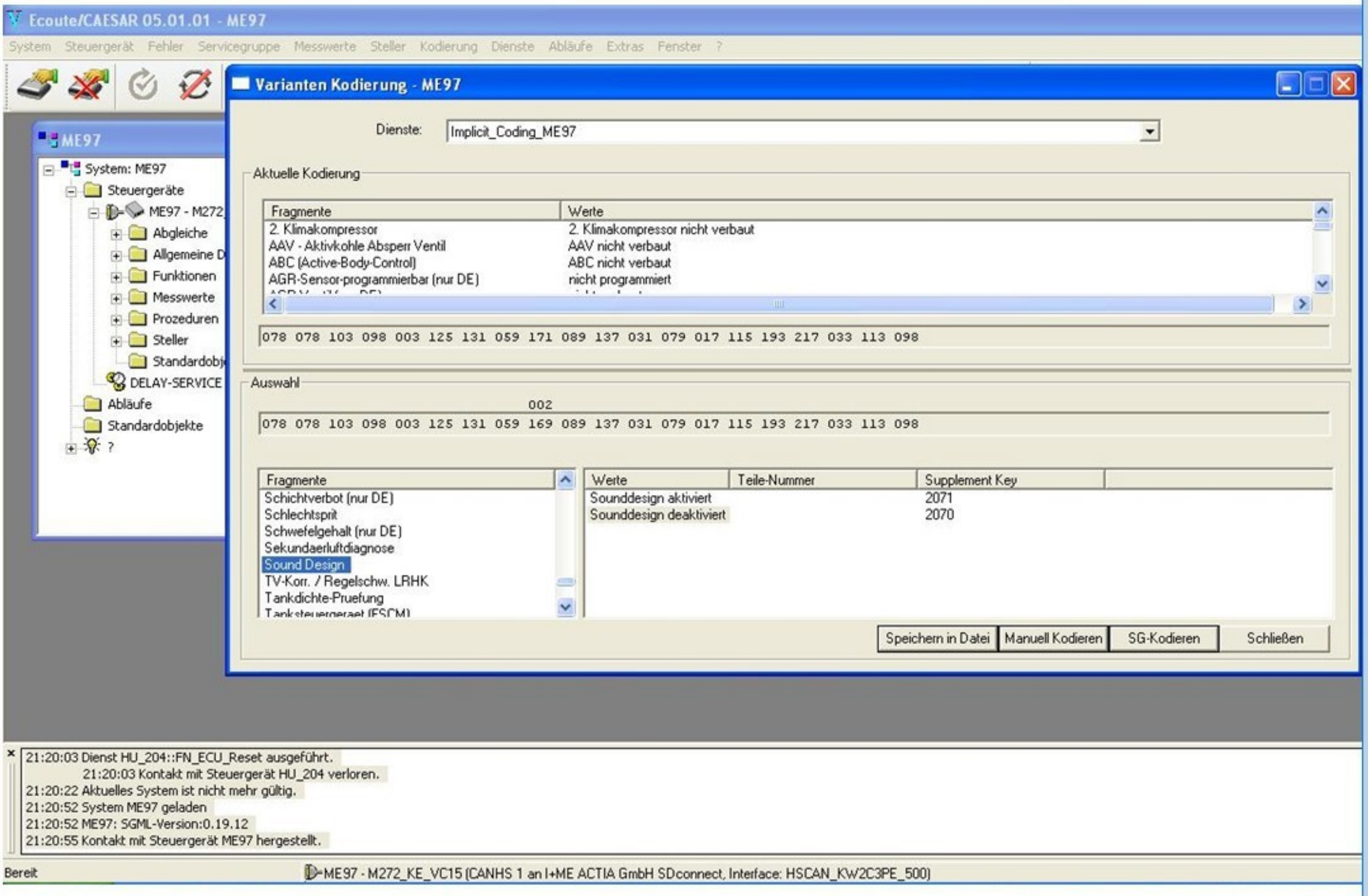
MirrorLink_Parameters_4092Byte -> Several possibilities have to be tested what is in order.

2.23 Exhaust sounddesign by engine ECU

ECU: ME97

Engine needs to be turned of but ignition on.

1. you need to unlock ECU DiagJob --> Zugriffsberechtigung 1 and Zugriffsberechtigung 2
2. Choose Dienste " Implizite Kodierung ME97"
3. Change Sounddesign to Sounddesign aktiviert

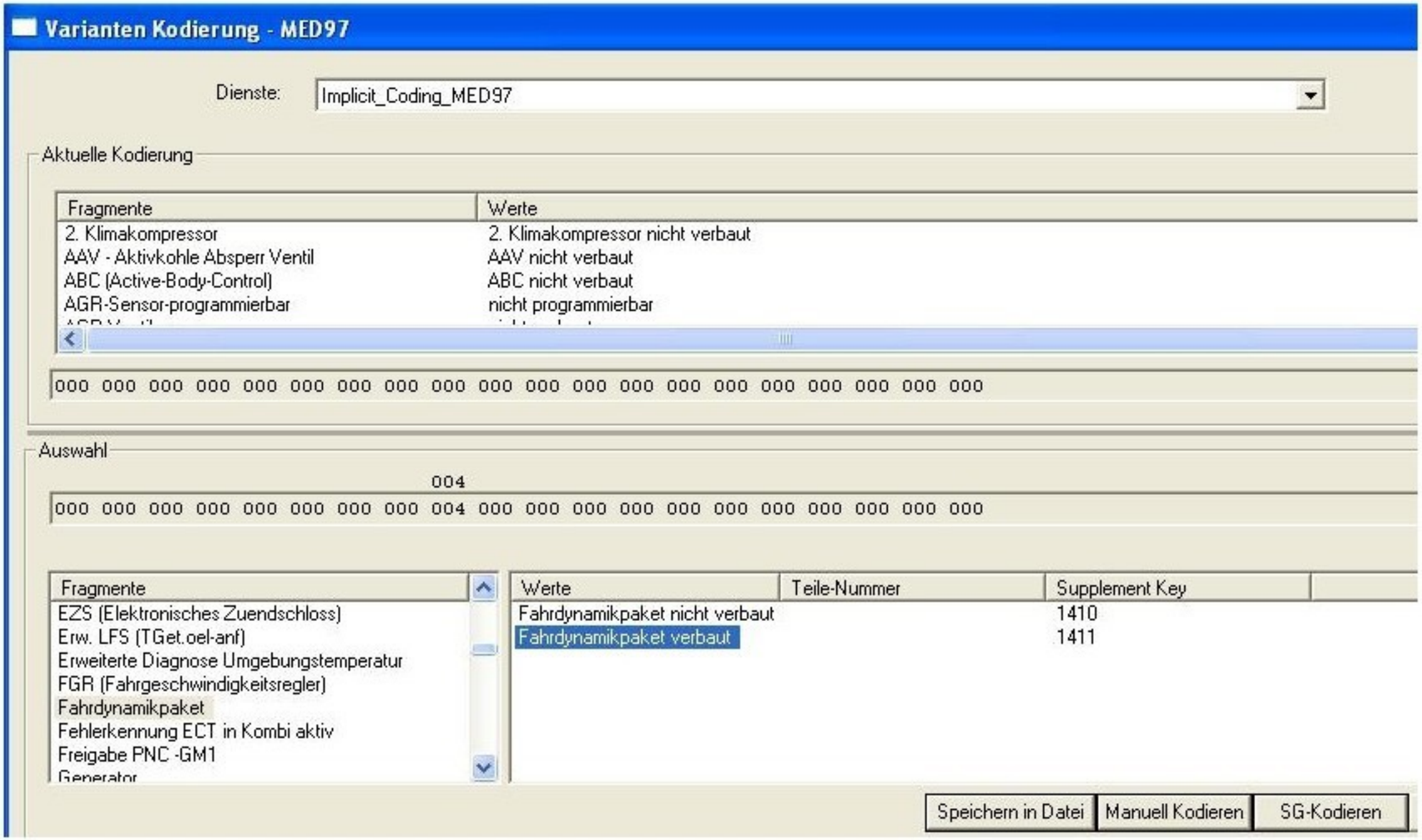


2.24 Fahrdynamic/Drive dynamic function by Engine ECU

ECU: ME97

Engine needs to be turned off but ignition on.

1. you need to unlock ECU DiagJob --> Zugriffsberechtigung 1 and Zugriffsberechtigung 2
2. Choose Dienste " Implizite Kodierung ME97"
3. Change Fahrdynamik to "Fahrdynamikpaket verbaut"



2.25 Turning off car level sensors

ECU: HLC166

> **trigital Wrote:** ⇒
>
> It can be coded without level sensors only if the ML has Airmatic.

Thats wrong. Levelsensors can be deactivated in HLC166.cbf

2.26 Retrofit AMG parameters to NTG 5.x

ECU: HU5

3.VCD_Car_Functions_Coding"
Analogue Instrument - Right Instrument battery voltage
Analogue Instrument Power Scale Value Type HP Unit active
Analogue Instrument Torque Scale Value Type Nm Unit active
Car Data Visualization - Analogue Units Analogue Units Screen available
Car Data Visualization Object Layer Onroad Object Layer activated

and

22.VCD_Several_Applications
AMG Design Variant on

2.27 MP4 Trucks - vmax change - seed key needed

ECU: CPC301.cbf

[redacted] Given 166 thank(s) in 1:

RE: Vediamo CBF Files For MP4 Trucks

I connected to MP4, load CPC301T cbf files and then went to VCD_043_Limiter_Normative_Requirments.

I changed then the parameter "lim_p_LegConf.LegMaxVehSpeed_u16" from 89.799995 to 120.

2.28 Retrofit MPC Camera - just ecu mention

You have to recode: EZS, SAM, MFK, KI and SW.

ZGW = Central Gateway = CTRLC205.cbf?
FWGW =Chassis Gateway =?.cbf
SAM = Central Control unit front? = CTRLC205.cbf? BC_F222.cbf?
MFK = Camera = MMPC222.cbf? SMPC222.cbf?
KI = Instrument Cluster = IC222.cbf
SW =Head Lamp = HLI_FL222.cbf, HLI_FR222.cbf?

2.29 Turning on curvematic - just mentioning ECUs

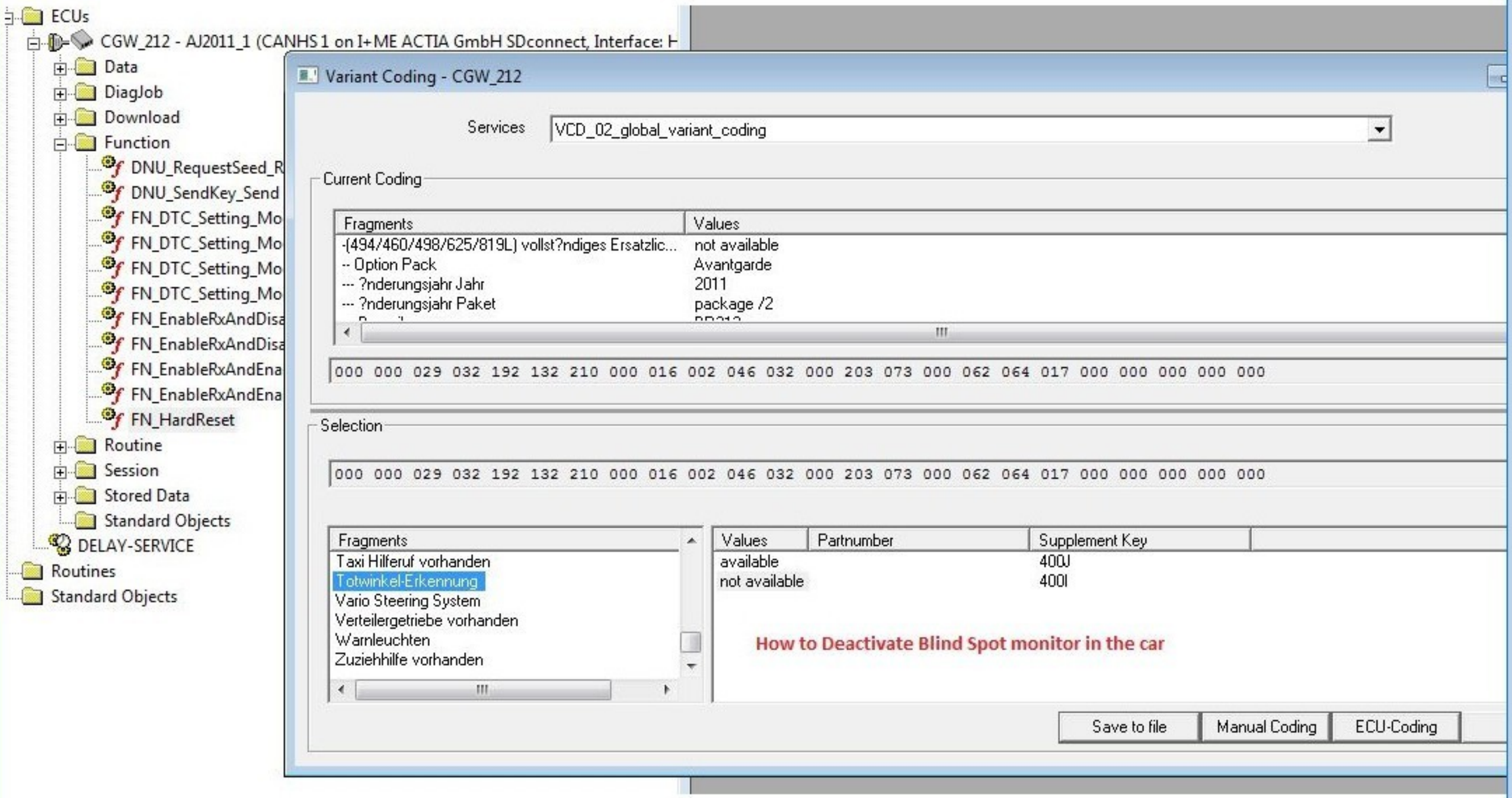
Code in ECUs:
KI211
HU25

2.30 Retrofit/deactivate Blind Spot - just mentioning

ECU: IC204 and CGW

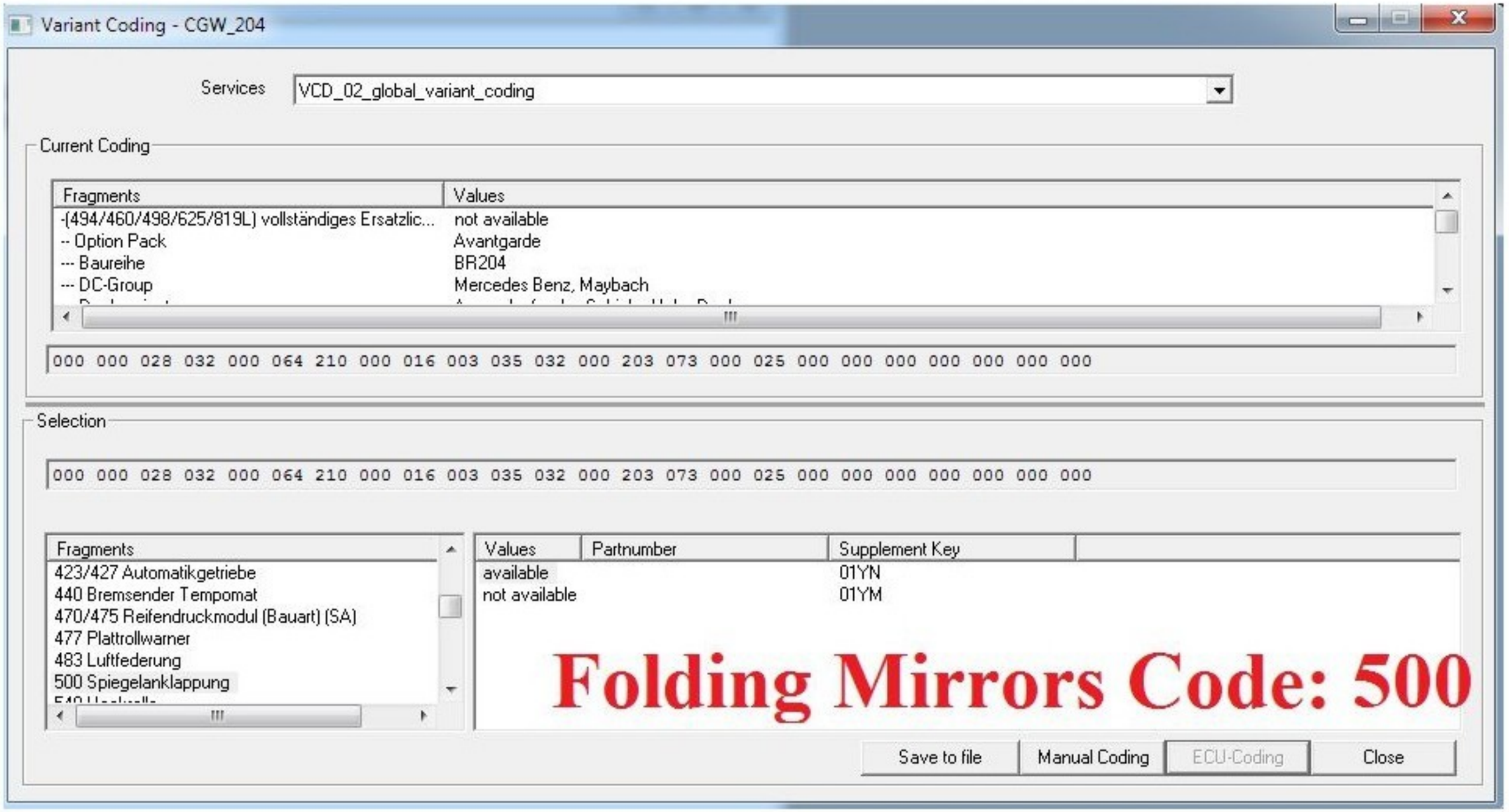
RE: Blindspot assist

Code properly IC. Need to activate menu in IC "Radar sensors on-off"



2.31 Deactivate or activate folding mirrors

ECU:CGW and IC



2.32 W212 or other - Taillights US to ECE - blinker coding

ECU: SAMR_231

This coding deactivates the brake light as blinker and activate blinker output.
Group/Dienste: VCD_Parameter_Lichtfunktion
Coding: parameter -> key
PRL_FRA_BL_FKT_ENABLE -> nicht freigegeben
PRL_FRA_BL_IN_ENABLE -> nicht freigegeben
PRL_FRA_BL_OUT_ENABLE -> nicht freigegeben

This deactivates the diag pin, so car won't show information about not working blinker.
Group/Dienste: VCD_Fehlerfreigaben
FLT_FRA_LI_DIAG_INT_ELECTRICAL_DEFECT -> nicht freigegeben
FLT_FRA_LI_DIAG_SCM -> nicht freigegeben
FLT_FRA_RE_DIAG_INT_ELECTRICAL_DEFECT -> nicht freigegeben
FLT_FRA_RE_DIAG_SCM -> nicht freigegeben

2.33 W212 - Static LED to Dynamic LED

ECU: SAMF_172

This coding only teach SAM that car have full dynamic LED headlights.

Group/Dienste: VCD_Parameter_Fahrtrichtungsanzeiger
PLSM_FRA_HLI -> ja
Group/Dienste: VCD_Parameter_Fernlicht
PLSM_FL_HLI -> ja

Remark:
It give SAM information that highbeam and blinker aren't connected as bulb directly to SAM, but it is activating via HLI ECU.

2.34 Polish language or other in HU5_ENTRY

ECU: HU5_ENTRY
Group/Dienste: Several Applications Write
language -> polish

This change default language to polish.
Language Sets -> ECE/ROW
This change language sets to European/Rest of world.

2.35 W205 Halogen to static LED

ECU: BC_F222

1. It activate 30L output on BC/SAM.
Group/Dienste: OLC Standlicht HW Schreiben
Klemme_30L_A_ueber_Standlicht_1 -> enable

2. You also need to deactivate outputs in BC, so you need to set:
Group/Dienste: OLC Blinker Modell Schreiben
PLSM_HW_FRA_VR -> off
PLSM_IC_FRA_VR -> off
PLSM_HW_FRA_VL -> off
PLSM_IC_FRA_VL -> off

3. If other lights show error on cluster you need to do same for other lights.
Group/Dienste: OLC Blinker Modell Schreiben
Blinker - FRA - Fahrtrichtungsanzeiger
High beam - FL - Fernlicht
Parking light - PL - Parklicht
Standing light - SL - Standlicht
Low beam - ? - ?

2.36 W205 - Taillight blinker US to ECE

ECU: BC_R222

Group/Dienste: OLC Blinker HW Schreiben
Freigabe_FRA hinten links = enable
Freigabe_FRA hinten rechts = enable
OL_Erkennung_Chiplogik_FRA hinten links = disable
Chiplogik OL Schwellen Blinker hinten links = disable

Group/Dienste: OLC Blinker Schreiben
PLSM_HW_FRA_HL = on
PLSM_HW_FRA_HR = on
PLSM_AusgangFRAhinten = TURNLGT
PLSM_FRA_DiagPin = off

Maybe you also need to add cable from rear sam to taillights.

Fragmente	Werte	Teile-Nummer	Teile-Nummer
Geschwindigkeitsparameter Stillstandserkennung (PSTA_TRNotMoving_pcs) VC	4%/s	0555	
Status Zwischenstellung (PINP_IntermedPosAvtive) VC	aus	055V	
Untere PWM Abschaltgrenze (POUT_PWMLowerLimit_pc) VC	0%	055T	

Kodierstring Dez.: 130 000 000 000 000

Kodierdienst: 11.VCD_SCN_Betaetigungszaehler_NV

Fragmente	Werte	Teile-Nummer	Teile-Nummer
HFS/ARWT Betaetigungszaehler (POUT_TrunkActionCounter) NV	?		

Kodierstring Dez.: 019 001

Kodierdienst: 12.VCD_SCN_Bremse_VC

Fragmente	Werte	Teile-Nummer
Bremsenansteuerung: Verlängerte Ansteuerungszeit Kupplung nach Stop (PAC2_TimeCTRPlusFEAct_s) VC	1.0s	03AG
Bremsenrutschen: Getriebefaktor (PSAF_ClutchSlipGearFact) VC	0,0231	039Y
Bremsenrutschen: Schalter Schlupferkennung ein (CSYS_ClutchSlipDetectOn_b) VC	ein	036S
Bremsenrutschen: Schlupfgrenze Schliessen (PSAF_ClutchSlipLimCl) VC	1.0	038B
Bremsenrutschen: Schlupfgrenze Öffnen (PSAF_ClutchSlipLimOp) VC	Dummy	06YL
Bremsenrutschen: Stall Toleranz Kupplung (PSAF_ClutchStalTol) VC	15	038F
Bremsenrutschen: Wartezeit ab der Schlupferkennung aktiv (PSAF_ClutchSlipTWait_s) VC	0.6s	0376
Bremsenrutschen: Zeitkonstante Schlupf-Filter (PSAF_TFiltClutchSlip_s) VC	0.04s	0391

Kodierstring Dez.: 001 000 030 004 205 016 000 000 015 000 002 000 095 000 050

Kodierdienst: 13.VCD_SCN_Geschwindigkeiten_Schnell_Oeffnen_VC

Fragmente	Werte	Teile-Nummer	Teile-Nummer
Oeff: 1. Zwischenwert Geschwindigkeit (PTRA_VOpen2_pcs) VC(2)	18%/s	04YX	
Oeff: 2. Zwischenwert für Geschwindigkeit (PTRA_VOpen3_pcs) VC(2)	15%/s	050G	
Oeff: 3. Zwischenwert für Geschwindigkeit (PTRA_VOpen4_pcs) VC(2)	8%/s	051X	
Oeff: Endwert Geschwindigkeit (PTRA_VOpen5_pcs) VC(2)	6%/s	053H	
Oeff: Startwert Geschwindigkeit (PTRA_VOpen1_pcs) VC(2)	20%/s	04XB	
Rücklauf HFS: Verstärkungsfaktor beim zurückfahren (PTRA_ReverseHighGearFact) VC(2)	0	0543	

Kodierstring Dez.: 138 000 137 000 135 128 132 000 131 000 000 000

Kodierdienst: 14.VCD_SCN_Kontrollschalter_Eigendiagnose

Fragmente	Werte	Teile-Nummer	Teile-Nummer
Kontrollschalter Eigendiagnose	?		

Kodierstring Dez.: 220 255 255 255 255 255 255 255 063 007 255 255 255 251

Kodierdienst: 15.VCD_SCN_Kupplung_VC

Fragmente	Werte	Teile-Nummer
Antriebsnachlauf: Ansteuerzeit im Schloss (POUT_HoldTimeAfterClosing_s)	0.1s	03H8
Kupplung: Geschwindigkeits Schwellwert für Fallerkennung (PAC2_ActSpeedActClutch_pcs) VC	-7%/s	03D
Kupplung: Obere Darkzone ab der Kupplungansteuerung (PAC2_ClutchDeltaPosO_pc) VC	5%	03BW
Kupplung: Untere Darkzone ab der Kupplungansteuerung (PAC2_ClutchDeltaPosC_pc) VC	5%	03B3
Kupplung: Verzögerungszeit Kupplungsöffnen im oberen Bereich (PAC2_ClutchReleaseDelay_s) VC	2.0s	03GS
Kupplung: Zeitfenster Fallerkennung (PAC2_TimeActSpeedActClutch_s) VC	1.0s	03EN
Kupplung: Zeitfenster Fallerkennung nach Ende Ansteuerung Antrieb (PAC2_UnMovTimeAfterAction_s) VC	3.0s	03FY

Kodierstring Dez.: 002 128 002 128 124 128 000 050 000 150 000 100 000 005

Kodierdienst: 16.VCD_SCN_Programmierbare_OeB_Definition_der_Darkzones_VC

Fragmente	Werte	Teile-Nummer	Teile-Nummer
Programmierbare ÖB: obere Darkzone (PUSR_IPosMaxOffset_pc) VC	6%	03J1	
Programmierbare ÖB: untere Darkzone (PUSR_IPosMinOffset_pc) VC	10%	03IC	

Kodierstring Dez.: 005 000 003 000

Kodierdienst: 17.VCD_SCN_Regler_I_Faktor_Schliessen

Fragmente	Werte	Teile-Nummer	Teile-Nummer
PID: I-Faktor Schliessen, Zone 1 (PTRA_KIClose_1)	2.0	06WI	
PID: I-Faktor Schliessen, Zone 2 (PTRA_KIClose_2)	0	06WR	
PID: I-Faktor Schliessen, Zone 3 (PTRA_KIClose_3)	0	06X2	
PID: I-Faktor Schliessen, Zone 4	0	06XD	
PID: I-Faktor Schliessen, Zone 5	0	06XP	

Kodierstring Dez.: 001 000 000 000 000 000 000 000 000 000

Kodierdienst: 18.VCD_SCN_Regler_P_Faktor_Schliessen

Fragmente	Werte	Teile-Nummer	Teile-Nummer
PID: P-Faktor Schliessen, Zone 1 (PTRA_KPClose_1)	0	06U5	
PID: P-Faktor Schliessen, Zone 2 (PTRA_KPClose_2)	2.0	06UK	
PID: P-Faktor Schliessen, Zone 3 (PTRA_KPClose_3)	1.0	06UV	
PID: P-Faktor Schliessen, Zone 4	0	06VS	
PID: P-Faktor Schliessen, Zone 5	0	06W3	

Kodierstring Dez.: 000 000 001 000 000 128 000 000 000 000

Kodierdienst: 19.VCD_SCN_Stromueberwachung_Antriebsmotor

Fragmente	Werte	Teile-Nummer	Teile-Nummer
Stromueberwachungsparameter	Dummy	06ZW	

Kodierstring Dez.: 006 001 244 013 016 004 016 018 255 255

Kodierdienst: 20.VCD_SCN_Warntongeber_Bedienstellenkonfiguration

Fragmente	Werte	Teile-Nummer	Teile-Nummer
Programmierbare ÖB: Ansteuerung Beeper bei Aktivierung ÖB (POUT_BeeperIPosAct_s) VC	0.5s	04MG	
Programmierbare ÖB: Ansteuerung Beeper bei Deaktivierung ÖB (POUT_BeeperIPosOff_s) VC	Dummy	06ZS	
Warntonkonfiguartion Bedienstellen	?		
Warntonkonzept: Aktivierung Warnton am Anfang (CSYS_BeepAtStart_b) VC	ein	04P5	
Warntonkonzept: Ansteuerzeit Beeper für x-maliges Warnen (POUT_BeepAtStart_s) VC	2.0s	04NR	

Kodierstring Dez.: 000 075 000 025 000 100 061 159 001

Kodierdienst: 21.VCD_SCN_Warntongeber_Zeitschritte

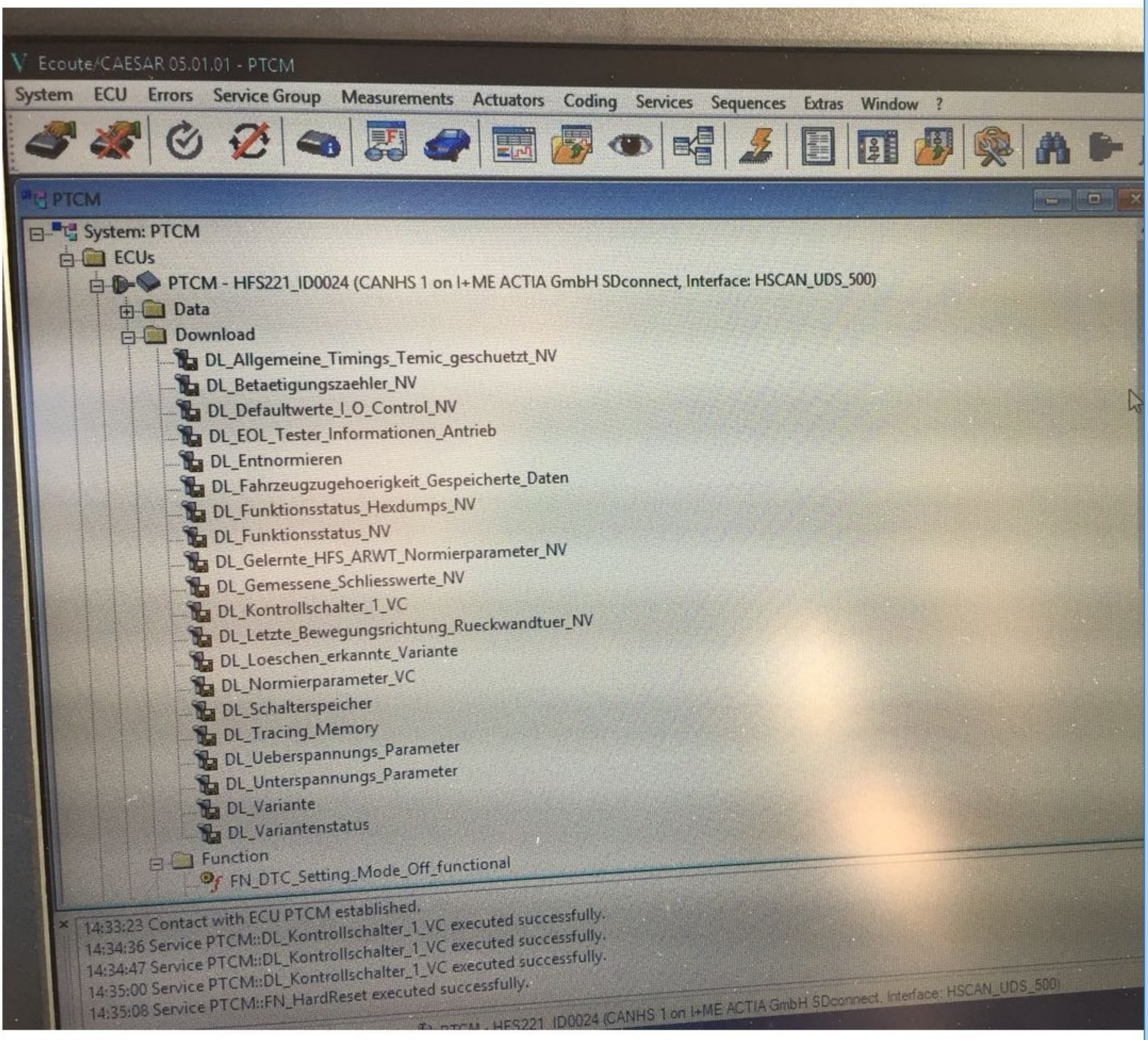
Fragmente	Werte	Teile-Nummer	Teile-Nummer
beep_zeit0	150ms	04P9	
beep_zeit1	60ms	04PB	
beep_zeit2	40ms	04PE	
beep_zeit3	60ms	04PJ	
beep_zeit4	90ms	04PP	
beep_zeit5	60ms	04PT	
beep_zeit6	60ms	04PX	
beep_zeit7	600ms	04R2	
beep_zeit8	300ms	04R4	

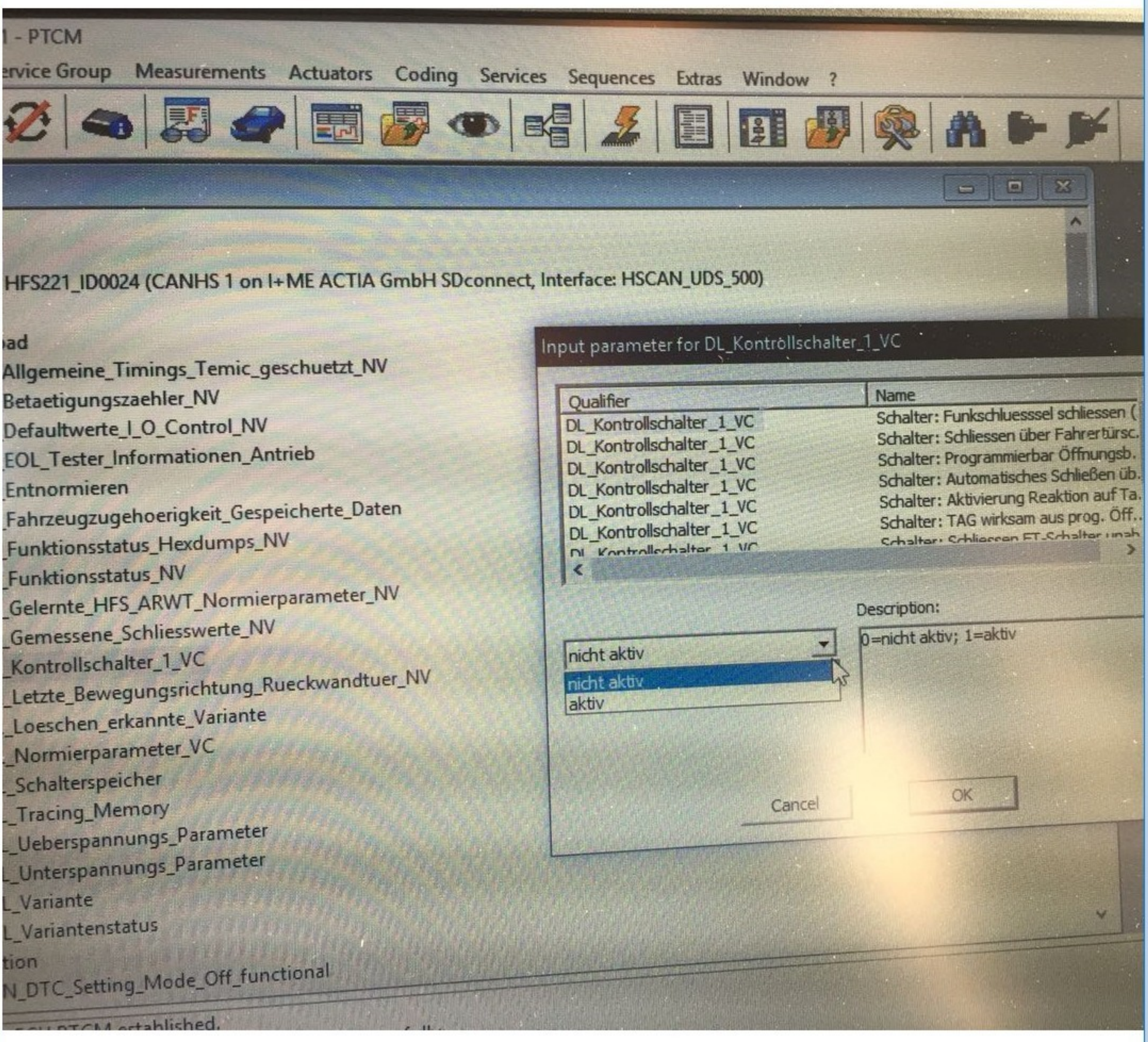
Kodierstring Dez.: 030 012 008 012 018 012 012 060 030

2.38.2 W221

ECU: PTCM

The trunk closing is not in the codings.
You need to do it in the tree --> DL_Kontrollschalter_1_VC

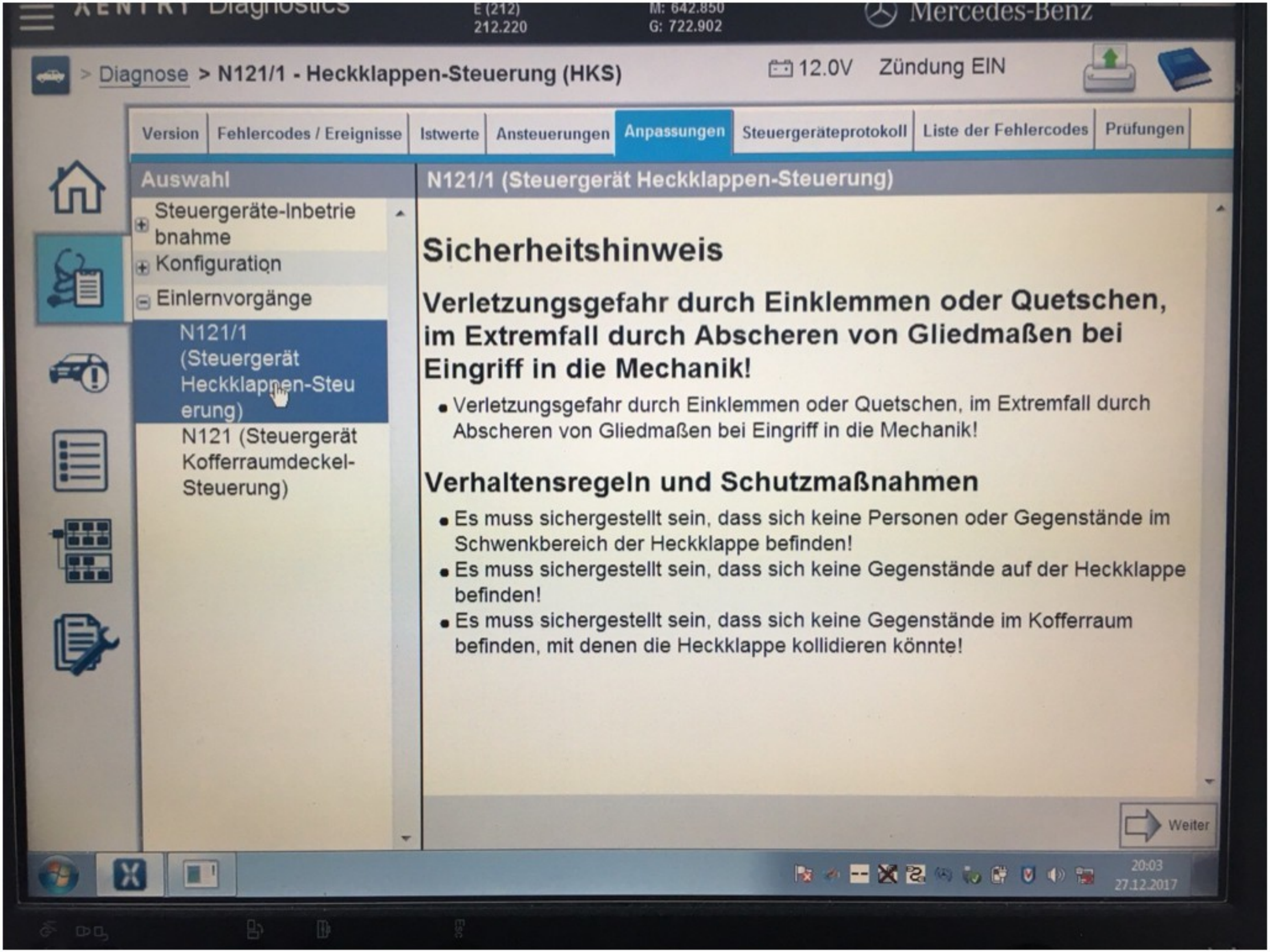




2.38.3 Normalization of trunk lid

After the trunk lid software change a normalization needs to be done.
For example in Xentry.

A different possibility is to save the measurements and insert them by Vediamo again.



2.39.1 KI221 - AMG & BRABUS Dumps - MMHAUTO URL links

You need a FVDI or other tool to write these Eeproms in the Instrument cluster

W221 w216 Brabus 360 dump :
http://mhhauto.com/Thread-W221-W216-Brabus-360kmh-EEPROM-Dump

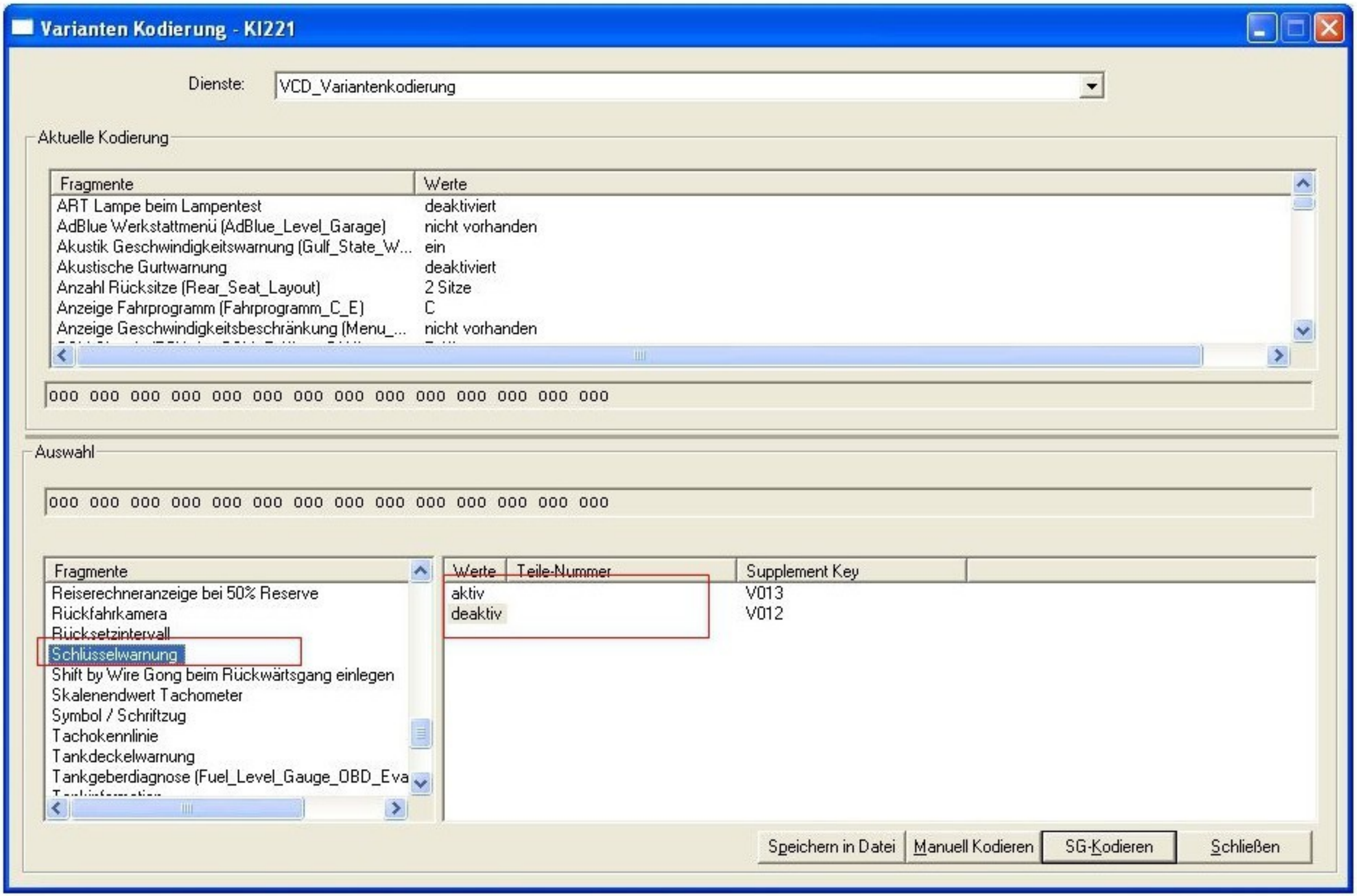
W221 AMG dumps mit 0 km & W204 AMG :
http://mhhauto.com/Thread-Mercedes-w221-Cluster-Instrument-change-to-AMG-Version--27679

W221 AMG dumps V12 2012 :
http://mhhauto.com/Thread-Dash-DUMP-W221-V12-2012

2.39.2 Key warning if leaving car

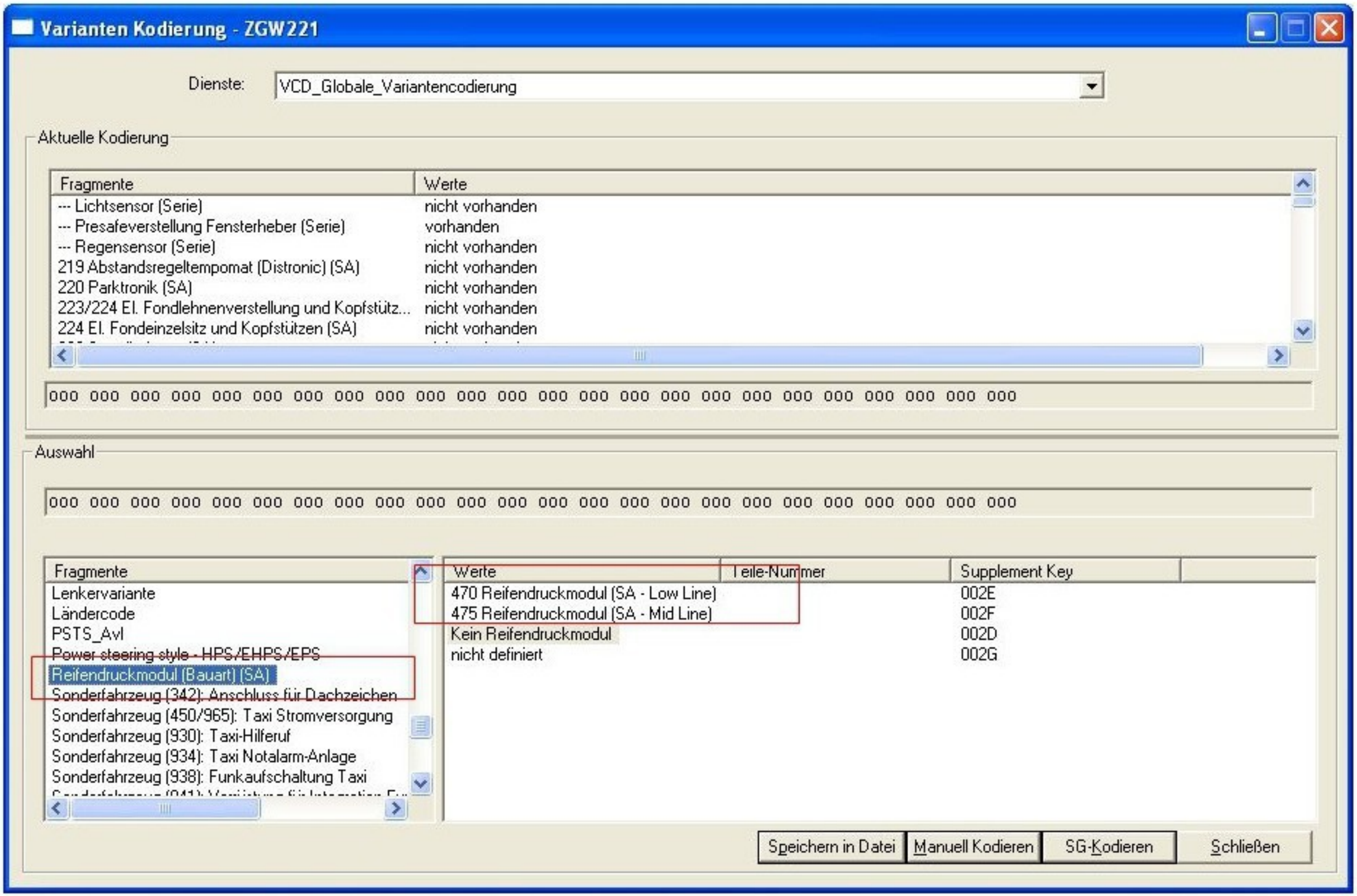
ECU: KI221

Set Schlüsselwarnung to active



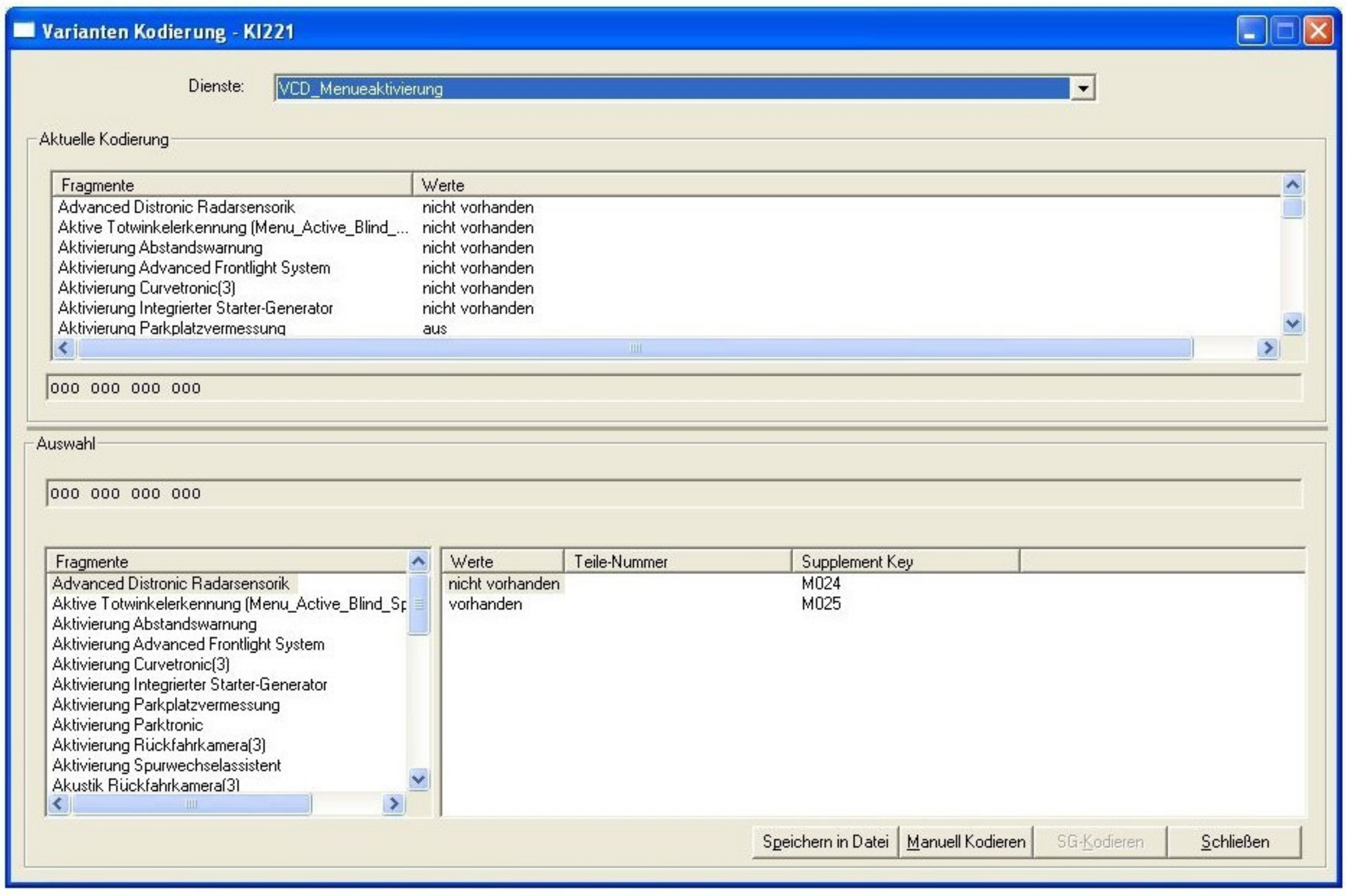
2.39.3 Turning on pressure control

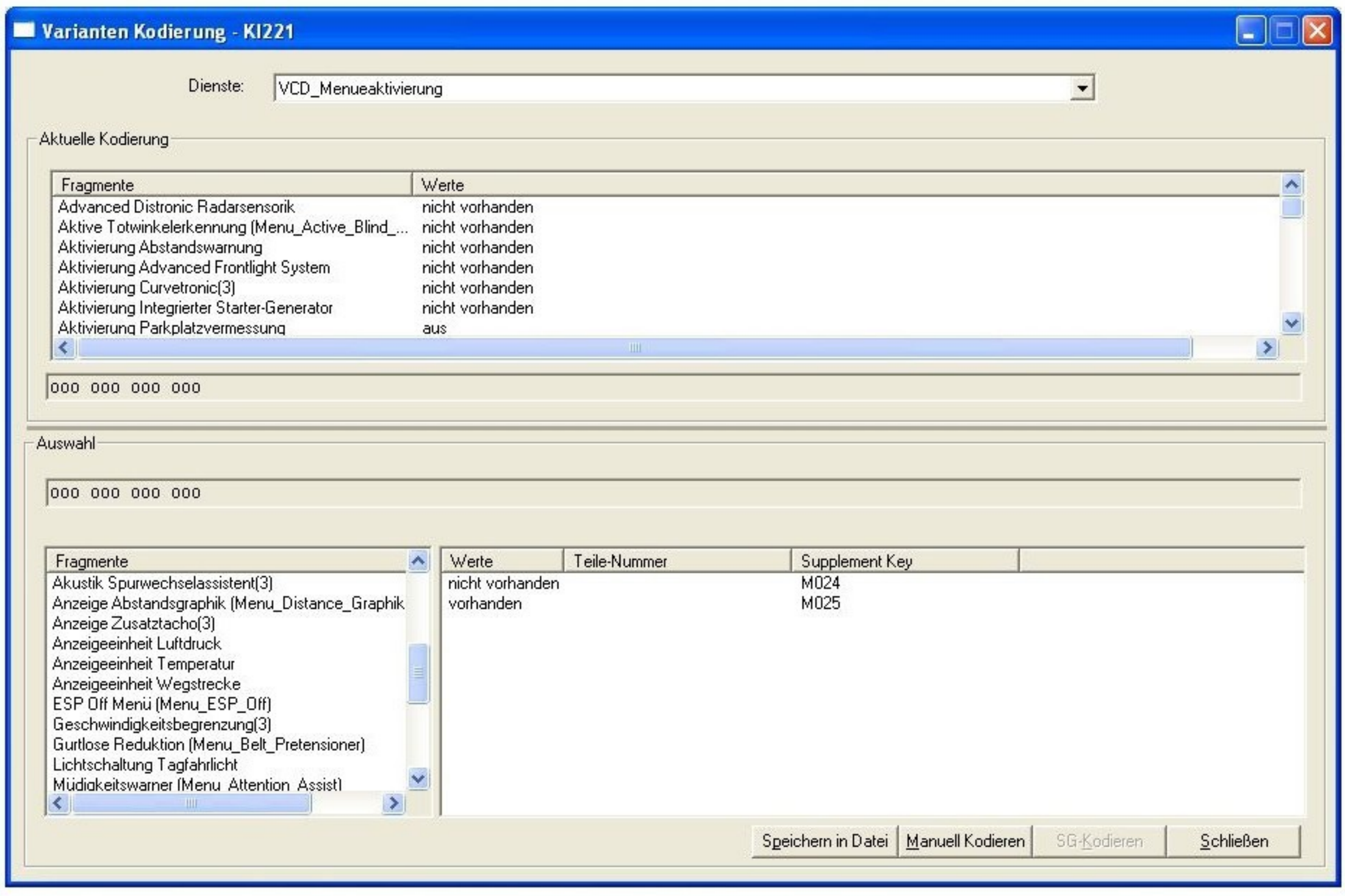
ECU: ZGW221
Domäne: Globale Variantencodierung
try certain options for Reifendruckmodul

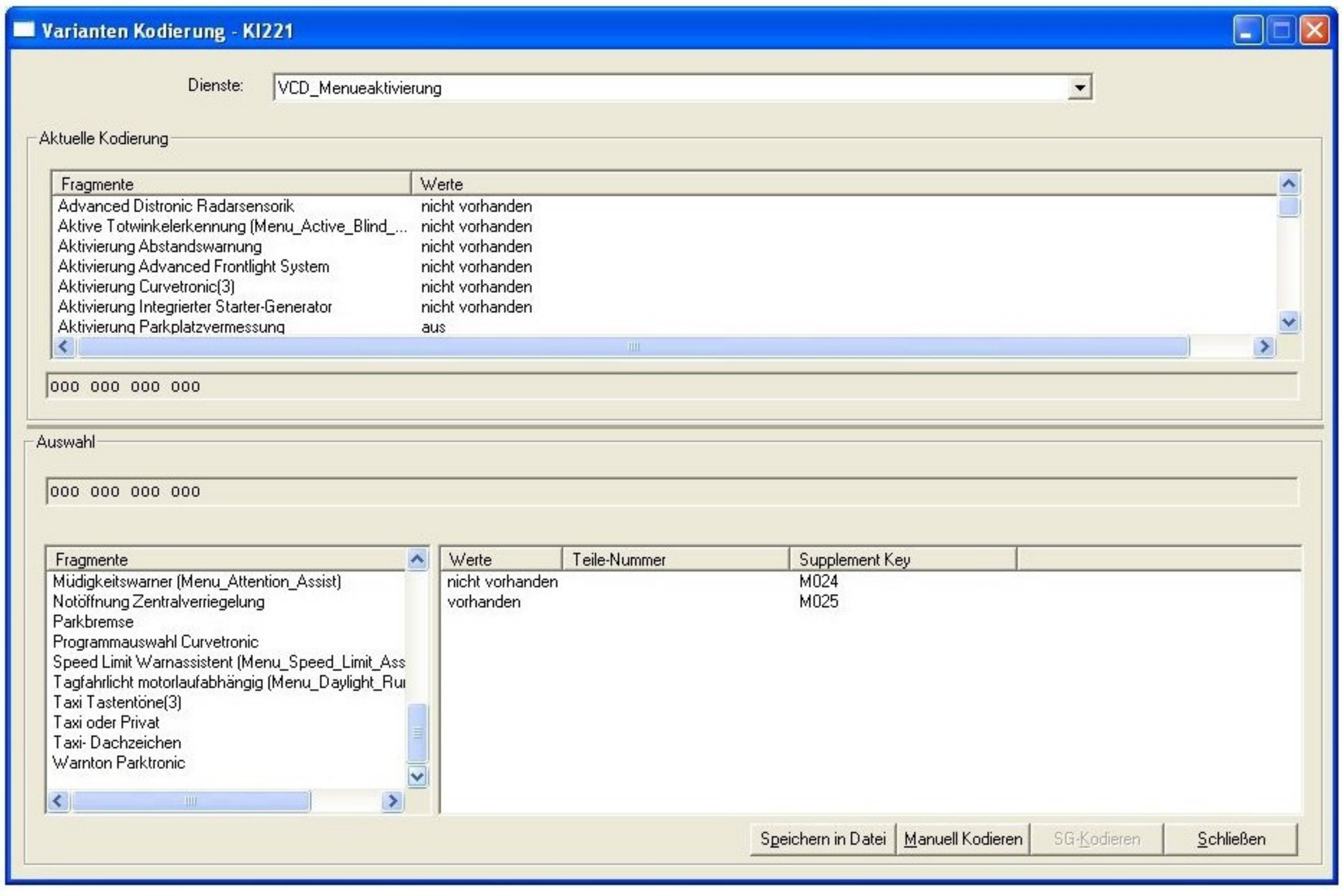


2.39.4 KI221 Menuactivations

ECU: KI221



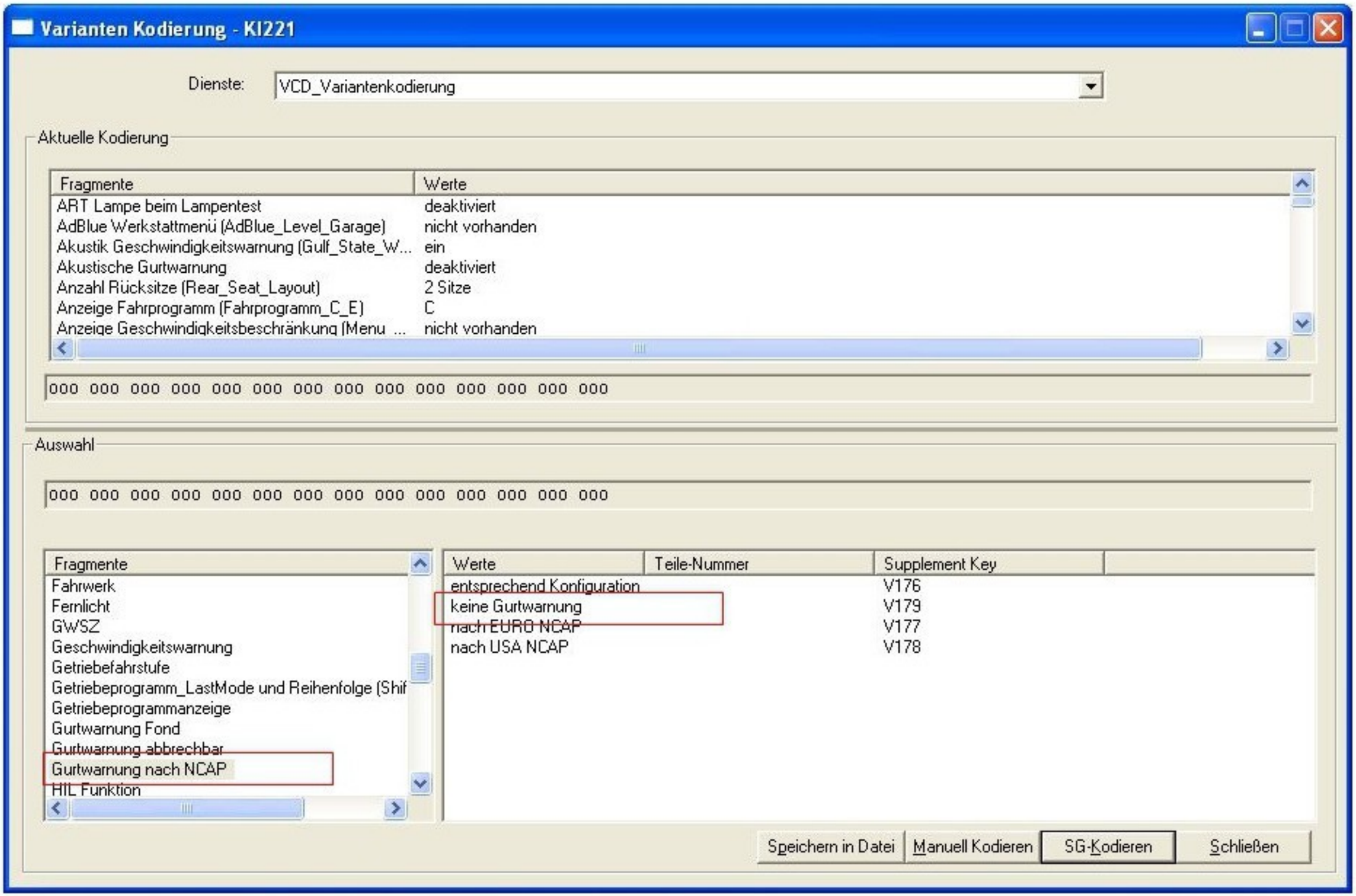




2.39.5 Turning off seatbelt warning

ECU: KI221

set Gurtwarnung nach NCAP to keine Gurtwarnung



2.40 DLR - Change daylight color into blue

ECU: HLI_222

this blue light is ambient light in the front lamp, light up for 2s before turning to white ,
use HLI 222 .CBF for W205
Search coding as belows
Fahrzeugdatensatz LUC Entwickler write
1:PLUC HLI CH1 NSI blau_b on (this should be the channal 1 for the LED control)
2:PLUC NSI blau HLI CH1 intens pc 100 (this should be the power control for the LED)
3:PLUC t NSI blau AUS_S 2.000000 (timmer)
PLUC t NSI blau EIN S 2.000000
PLUC t NSI blau DAUER S 2.500000
PLUC t NSI blau DELAY S 0.400000

by the way ,your also need to active the ambient light in comand.

2.41 Activate EDW - Alarm system - Basic by horn

This coding will activate a rudimental alarm system.
This means the alarm will be done by horn when the door is opened without a key.

This works for the following carlines

- W205
- W222
- W213
- W212
- S212
- A207
- C207
- W166
- W172
- W246
- W176
- W204 facelift

2.41.1 W204 and W212

ECU 1: SAMR 212 / SAMR 172
group: VCD Parameter VTA Country
change EDW Country parameter to RDW mit hupen
SG kodieren/write coding

ECU 2: SAMF 212 / SAMF 172
group: VCD_Fehlerfreigaben
FLT_EDW_INT_ELECTRICAL_DETECT vchange to freigeben
SG kodieren

ECU 3: CGW
group: VCD_02_global_variant_coding
551 EDW Einbruch und diebstahl to aktivieren
SG kodieren

ECU 2: SAMF 212 / SAMF 172
group: VCD_Parameter_Fanfaren
change FAF_EDW_EN to aktiv
SG kodrien / write coding

ECU 2: SAMF 172
group: VCD_Parameter_Fanfaren
change FAF_EDW_timeout to 10 sec
SG kodrien / write coding

2.41.3 W176 and W246

ECU 1: CBC
group: VCD_VTA_VC_Country
change PVTB_BASEVtaEn to Ein
SG kodieren /write coding

ECU 2: EZS166
group: VCD_Globale_Variantenkodierung
change b551 Einbruch und Diebstahl Wainein. to verfügbar
SG codieren /write coding

2.42 IC scale at day bright - W212 Facelift

ECU: IC204
Group : VCD_05_Variantenkodierung

change Zifferblattbeleuchtung (Dial_Day_Brightness) to Dauer.
It will be always on.

2.43 W205 Ambientlight (3colors)

ECU: IC222

Dienste/group: "VCD_06_Menueaktivierung":

- Ambientes Licht (Menu_Ambientlight) -> "vorhanden"
- Ambientes Licht Farbe (Menu_Ambientlight_Color) -> "vorhanden"

Don't forget the HardReset after coding

First one is for setting the brightness, second one for setting the color.

2.44 Deactivation of valve exhaust systems R172 SLK 55AMG MY2014

This procedure describes how to keep the valve always open without getting DTCs

1. First push the sport button --> valve opens
2a. If you deassemble the valve motor you need to block the valve
2b. If you keep the valve motor at the exhaust just go on
3. connect to ECU

ECU: ME177AMG

change Abgasklappe into "nicht verbaut"

2.45 Seat heating higher - 204, 207, 212, 218

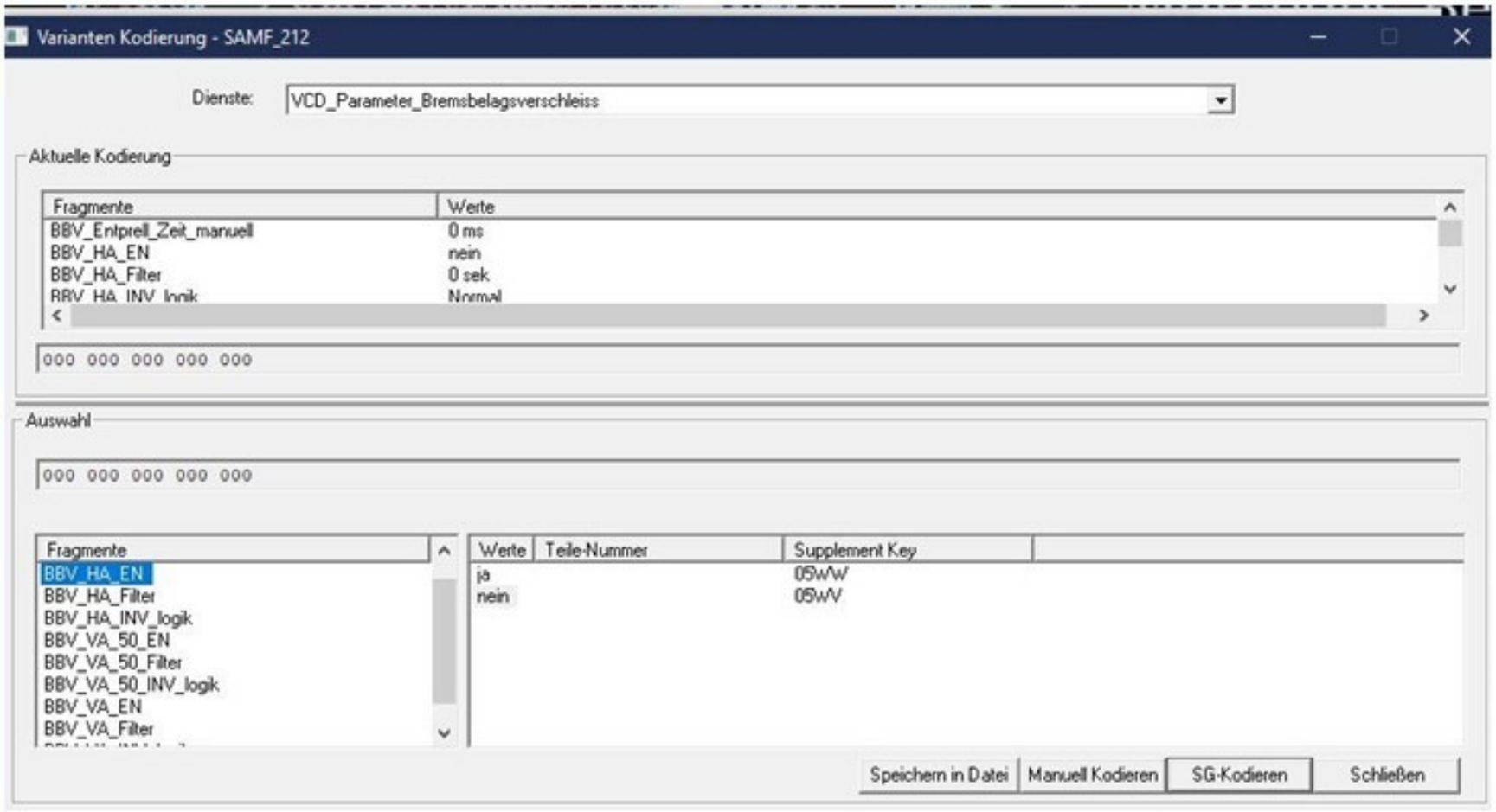
Regularly the level 3 uses just 80 %

The time for the heating is adjustable as well.
Which means at level 3 the heating lasts for 10 minutes
15 minutes are possible.

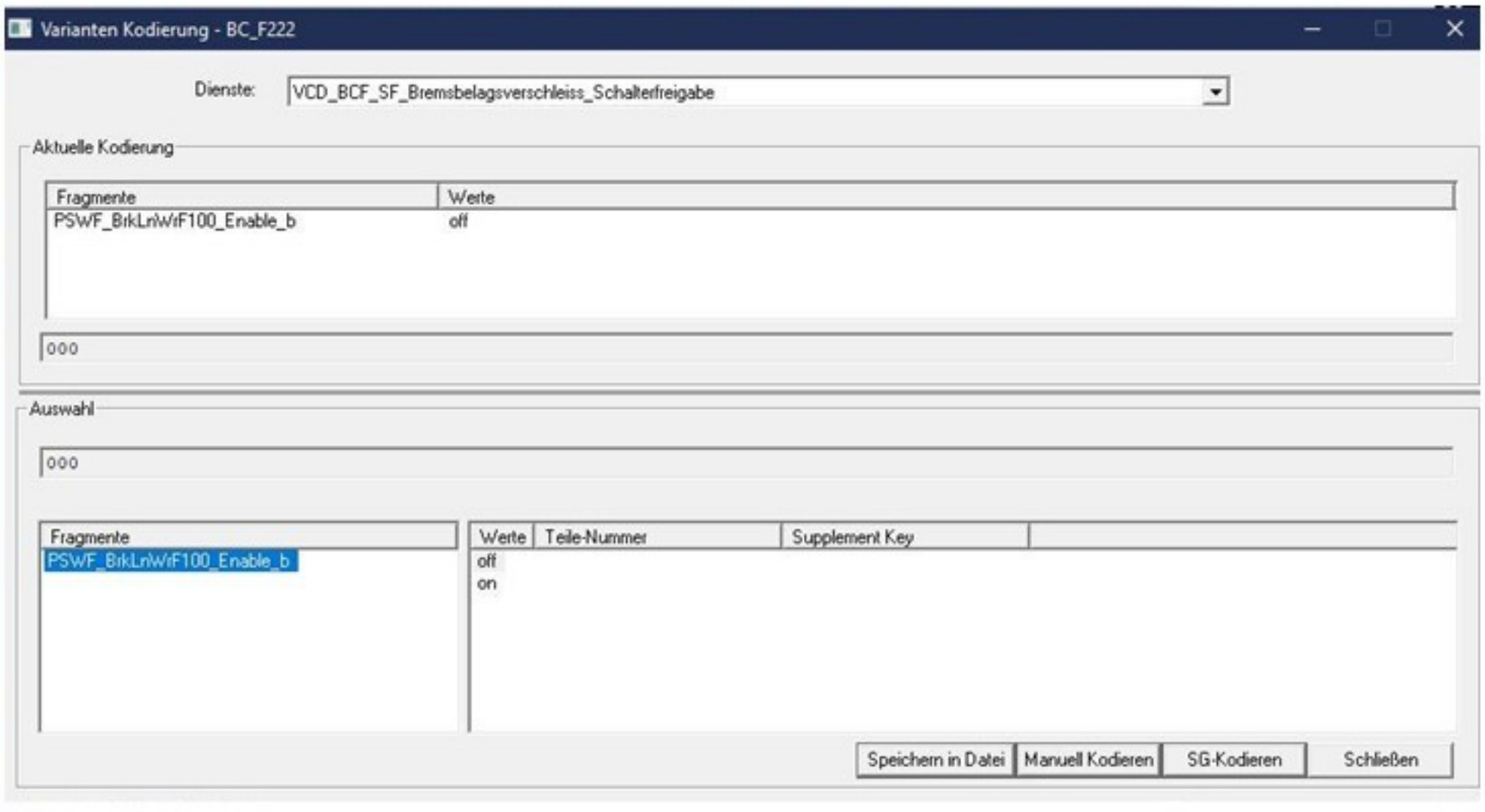
ECU: SAMR-212

2.46 Deactivation of brake wear warning - W222, W217, W213, X253, W205

ECU: SAMF 212
Dienste: VCD_Parameter_Bremsverschleiss
BBV_HA_EN change to nein (rear axle)
BBV_VA_EN change to nein (front axle)



ECU: BC_F222
domain/dienste: VCD_BCF_SF_Bremsverschleiss_Schalterfreigabe
PSWF_BrkLnWf100_Enable_b change to off



3. Millage check - which ECUs are involved

The writen ECUs lists for the different carlines are taken from the internet.
At the end of this chapter the carlines are listed with the millagein the key.
They may be complete but you may not be sure, or even to many ECUs may be listed.
Please remember not all ECUs are in every car and so on.
Use your EYEs and your BRAIN to find them
An example for what you ned to search in the branches of the ECU tree is given below.

3.1 Millage ECUs

Names and explainations:
- DASH / Instrument Cluster
– EZS / EIS
– ASS / Assyst
– AS+ / Assyst Plus
– ESP / Electronic Stability Program
– ESAF / Electrical Seat Adjustment Driver
– Electrical Seat Adjustment Passenger
– SRS / Signal Acquisition Module
– CDI / Common Rail Diesel Injection
– TPM / Tire Pressure Monitor
– Airbag – only stores motohours no millage

CLASS=A
W168 1997-1999 DASH
W168 2000-2004 DASH
W169 2004-2010 DASH,EZS,ASS,AS+,ESP

CLASS=B
W245 2005-2010 DASH,EZS,ASS,AS+,ESP

CLASS=C
S202 1996-2000 DASH
S203 1999-2003 DASH,EZS
S203 2004-2007 DASH,EZS,BCM,ESP,TPM,CDI
S204 2008-2010 DASH,EZS,ASS,AS+,BCM,ESP,ESAF,CDI,SRS,TPM
W202 1996-1998 DASH
W203 1999-2003 DASH,EZS
W203 2004-2007 DASH,EZS,BCM,ESP,TPM,CDI
W204 2007-2010 DASH,EZS,ASS,AS+,BCM,ESP,ESAF,CDI,SRS,TPM

CLASS=CL
CL203 2001-2007 DASH,EZS
CL204 2008-2010 DASH,EZS,ASS,AS+,BCM,ESP,ESAF,CDI,SRS,TPM
C140 1996-1998 DASH
C215 1999-2000 DASH
215 2001-2004 DASH,EZS
C216 2005-2010 DASH,EZS,ASS,AS+,BCM,ESP,EPB,ESAF,SRS,CDI,TPM

CLASS=CLK
A207 2007-2010 DASH,EZS,ASS,AS+,BCM,ESP,ESAF,CDI,SRS,TPM
A208 1996-1998 DASH A208 1999-2001 DASH A208 2002-2003 DASH,EZS
A209 2004-2008 DASH,EZS,BCM,ESP,TPM,CDI
C207 2007-2010 DASH,EZS,ASS,AS+,BCM,ESP,ESAF,CDI,SRS,TPM
C208 1996-1998 DASH C208 1999-2001 DASH C209 2002-2004 DASH,EZS
C209 2004-2005 DASH,EZS

CLASS=CLS W219 2002-2008
DASH,EZS,ASS,AS+,BCM,ESP,TPM

CLASS=E
S210 1996-1998 DASH S210 1999-2002 DASH
S211 2003-2009 DASH,EZS,ASS,AS+,BCM,ESP,TPM,CDI,TPM
S212 2009-2010 DASH,EZS,ASS,AS+,BCM,ESP,ESAF,CDI,SRS,TPM
W210 1996-1998 DASH W210 1999-2001 DASH
W211 2002-2008 DASH,EZS,ASS,AS+,BCM,ESP,CDI,TPM
W212 2009-2010 DASH,EZS,ASS,AS+,BCM,ESP,ESAF,CDI,SRS,TPM

CLASS=G
W461 1996-1998 DASH
W461 1999-2000 DASH
W461 2001-2005 DASH,EZS
W461 2005-2009 DASH,EZS,ESP,ESAF,CDI
W461 2009-2010 DASH,EZS,ESP,ESAF,CDI
W463 1996-1998 DASH W463 1999-2000 DASH
W463 2001-2005 DASH,EZS
W463 2005-2009 DASH,EZS,ESP,ESAF,CDI
W463 2009-2010 DASH,EZS,ESP,ESAF,CDI

CLASS=GLK
X204 2008-2010 DASH,EZS,ASS,AS+,BCM,ESP,EPB,ESAF,SRS,CDI,TPM

CLASS=M
W163 1996-2004 DASH
W164 2005-2010 DASH,EZS,ASS,AS+,ESP,ESAF,CDI,SAMR,TPM

CLASS=GL
X164 2006-2010 DASH,EZS,ASS,AS+,ESP,ESAF,CDI,SAMR,TPM

CLASS=R
W251 2005-2010 DASH,EZS,ASS,AS+,ESP,ESAF,CDI,SAMR,TPM

CLASS=S
V140 1996-1998 DASH
V220 1999-2002 DASH
V220 2003-2005 DASH,EZS
V221 2005-2010 DASH,EZS,ASS,AS+,BCM,ESP,EPB,ESAF,CDI,SRS,TPM
VF140 1996-1998 DASH VF220 1999-2002 DASH
VF220 2003-2005 DASH,EZS
VF221 2005-2010 DASH,EZS,ASS,AS+,BCM,ESP,EPB,ESAF,CDI,SRS,TPM
W140 1996-1998 DASH
W220 1999-2002 DASH
W220 2003-2005 DASH,EZS
W221 2005-2010 DASH,EZS,ASS,AS+,BCM,ESP,EPB,ESAF,CDI,SRS,TPM

CLASS=SL
R129 1996-2002 DASH
R230 1999-2003 DASH
R230 2003-2006 DASH,EZS

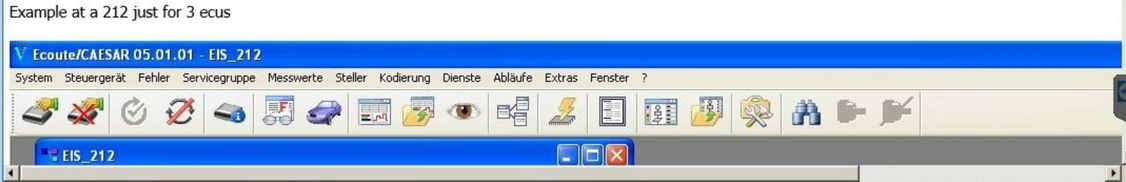
CLASS=SLK
R170 1997-2004 DASH
R171 2004-2009 DASH,EZS,ASS,AS+,BCM,ESP

CLASS=SPRINT
W901 1999-2001 DASH
W902 1999-2001 DASH
W903 1999-2001 DASH
W904 2002-2004 DASH,EZS
W906 2005-2010 DASH,EZS

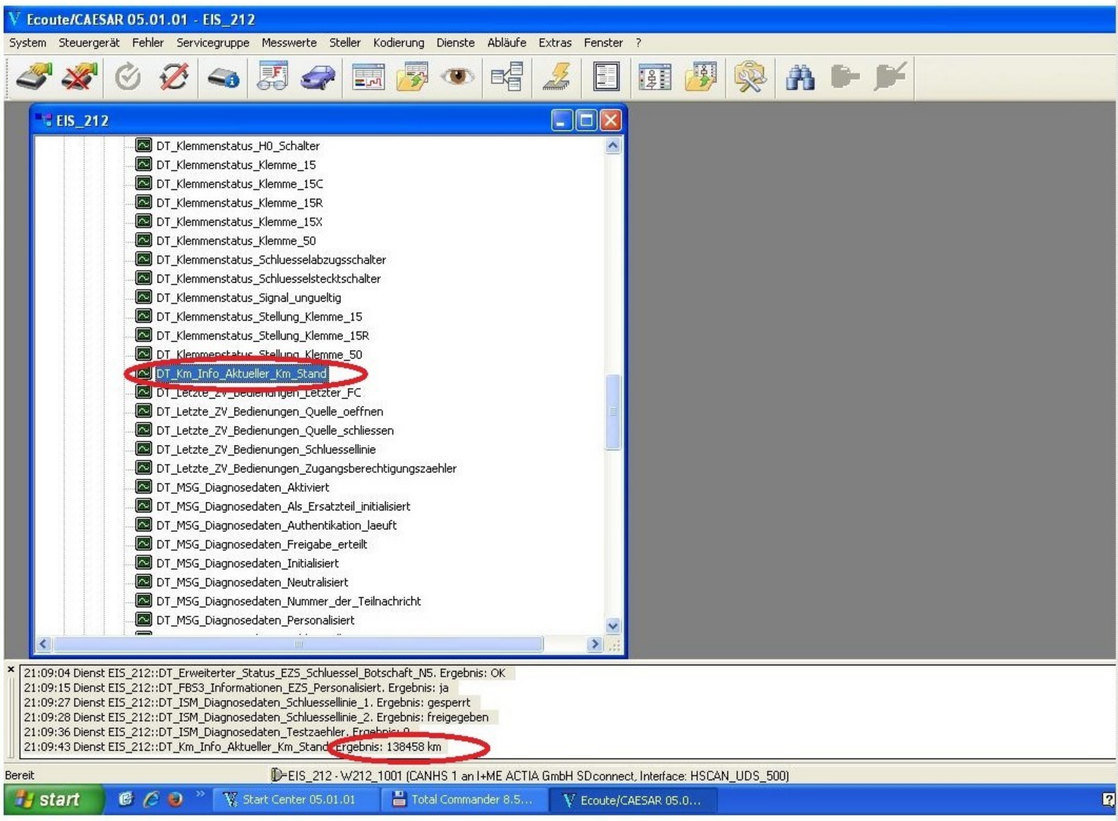
CLASS=VITO/VIANO
V112 1999-2002 DASH
V111 2001-2004 DASH,EZS
W638 1999-2002 DASH,EZS
W639 2004-2010 DASH,EZS

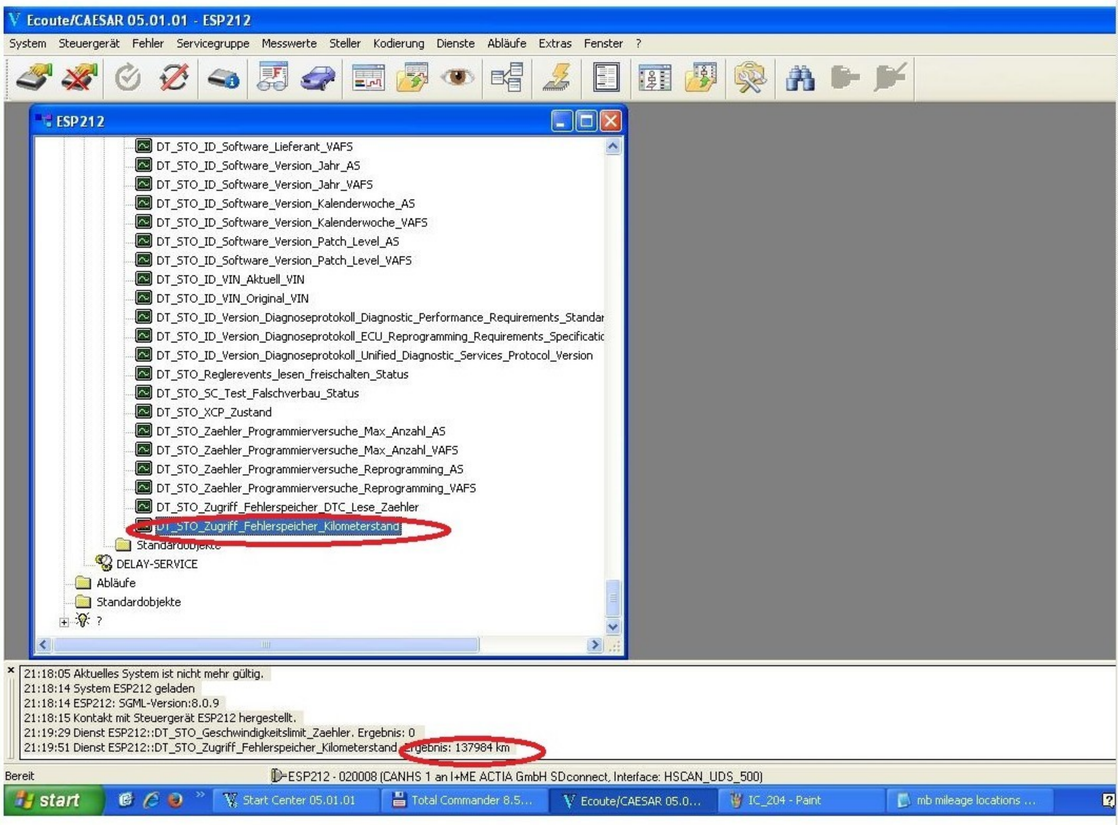
==========

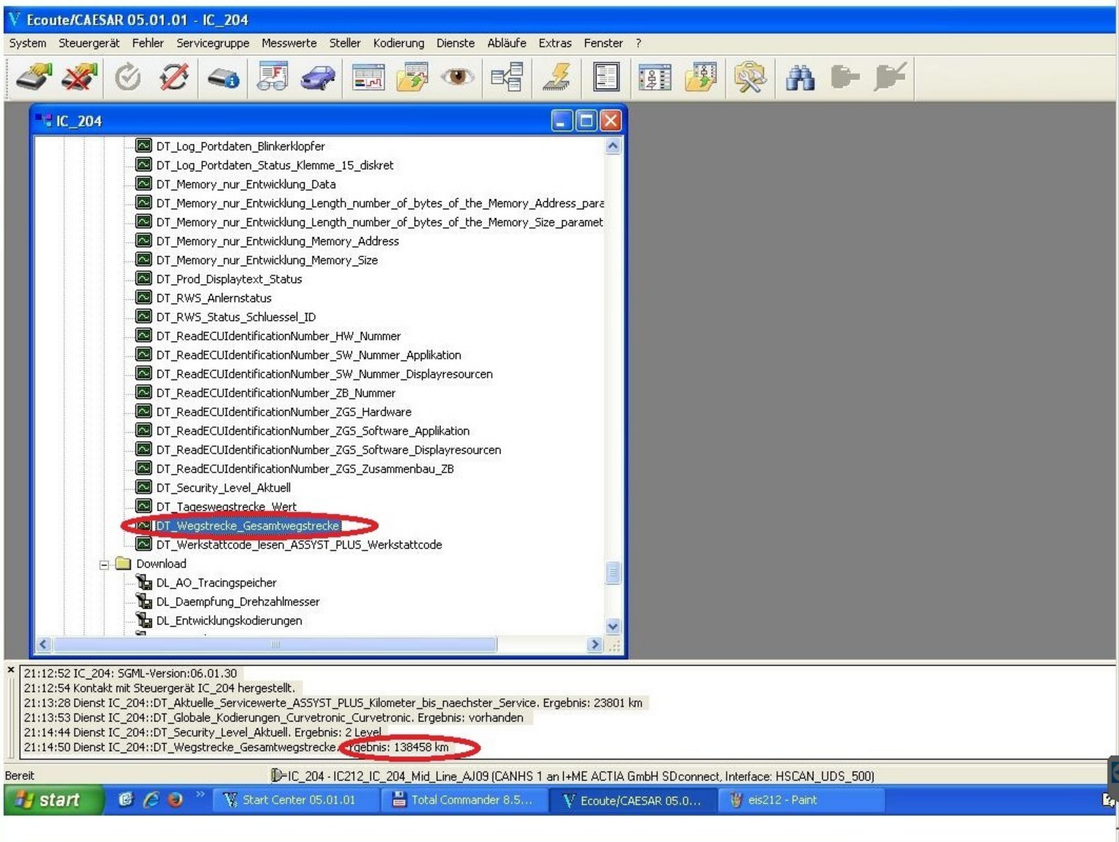
Example at a 212 just for 3 ecus



Example at a 212 just for 3 ecus







3.2 Millage in Keys

W212 : MY 04/2013 - present
W166 : MY 07/2013 - present
W207 : MY 07/2013 - present
V212 : MY 07/2013 - present
W218 : MY 09/2014 - present
W117 : MY 11/2014 - present
W156 : MY 11/2014 - present
W172 : MY 04/2015 - present
W205
W217
W222
W231

4. Flashing a ECU

Some ECUs need just one CFF flashed
and
other ECUs need to have flashed more than one CFF at once

4.1.1 How to find the correct CFF

you should perfom a Backup of ECU ID Info (Chapter 1.5.1)

1. The number in the orange rectangle may be used for a search in the CFF database by a editor like Notepad++ or even totalcommander for a search inside of files to find the corresponding CFF.
2. The number in the red rectangle may be used for a search of the CFF which is installed at the moment. This may be used for a possible flash with the CFF flash did not work and you are stuck in a boot loop.
3. When you find the CFFs put them in a folder
4. A good help if a CFF fits to your ECU are the *.et** files these were in certain 2015 Xentry SDflash folders. You will need from all 2015 Xentry versions the *.et** files to have all carlines
   In the desired carline *.et** fiels you need to be search with a editor like notepad for the hardware ID of your ecu. You will find all fitting CFFs then.

extract from CFF:

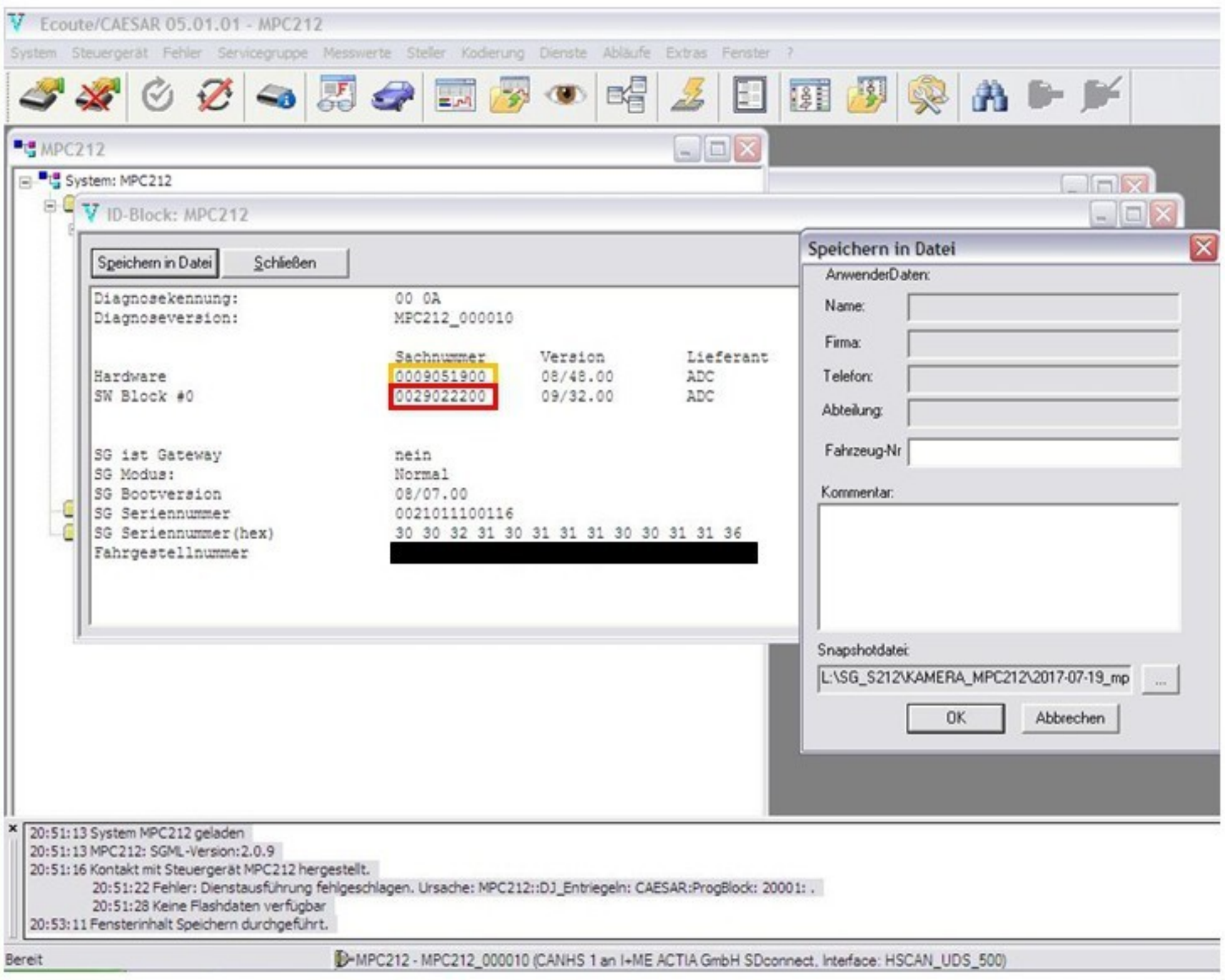
```
CFF-TRANSLATOR-VERSION:02.01.03
DATE:20.11.2015
FINGERPRINT:58.63.119.29
CFF:MPC212
LANGUAGE:ORIGINAL
NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NU
NUL NUL NUL VT NUL NUL NULMPC212.MPC212_0029022200_001.BootloaderNULBo
NUL NUL NULCODE_093200NULBS NUL NUL NUL" NUL NUL NUL VT NUL NUL NUL STX NU
NUL SO NUL NUL NUL0x00020000NUL NUL VT NUL NUL NUL  NUL \m SUB NUL SO NUL NU
NUL NUL NUL DLE NUL NUL NUL EM NUL SO NUL NUL NUL SOH NUL NUL NUL STB NUL NUL N
```

extract from CFF:

```
JL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NUL NU
L NUL NUL-i' NUL STX NUL NUL NUL F NUL NUL NUL ETX NUL NUL NUL, NUL NUL NUL S

,SOH NUL NUL NUL $ NUL NUL NULSW_DIAGNOSTIC_VERSIONNUL STX NUL EOT NUL NU


LC NUL ACK úg‡m«® SYN @B%ãazäZ NULÆÔ VTA0009051900NULÀ SOH EOT NUL EOT NU
```



Extract from the 212.et** file
I have searched for the hardware id and as you see:
the first number is the hardware ID
the second are the possible CFFs
the thrid is the name of the ECU.

```
1099  0009051800;0009025804;MPC212;
1100  0009051800;0019020101;MPC212;
1101  0009051800;0029022100;MPC212;
1102  0009051800;0029024100;MPC212;
1103  0009051900;0009024301;MPC212;
1104  0009051900;0009024401;MPC212;
1105  0009051900;0009024804;MPC212;
1106  0009051900;0009024904;MPC212;
1107  0009051900;0009025804;MPC212;
1108  0009051900;0009025904;MPC212;
1109  0009051900;0019020101;MPC212;
1110  0009051900;0029022100;MPC212;
1111  0009051900;0029022200;MPC212;
1112  0009051900;0029024100;MPC212;
1113  0009051900;0029024200;MPC212;
1114  0009051900;0029025200;MPC212;
1115  0009052100;0009024804;MPC212;
```

4.1.2 How to find the correct Telematic disks

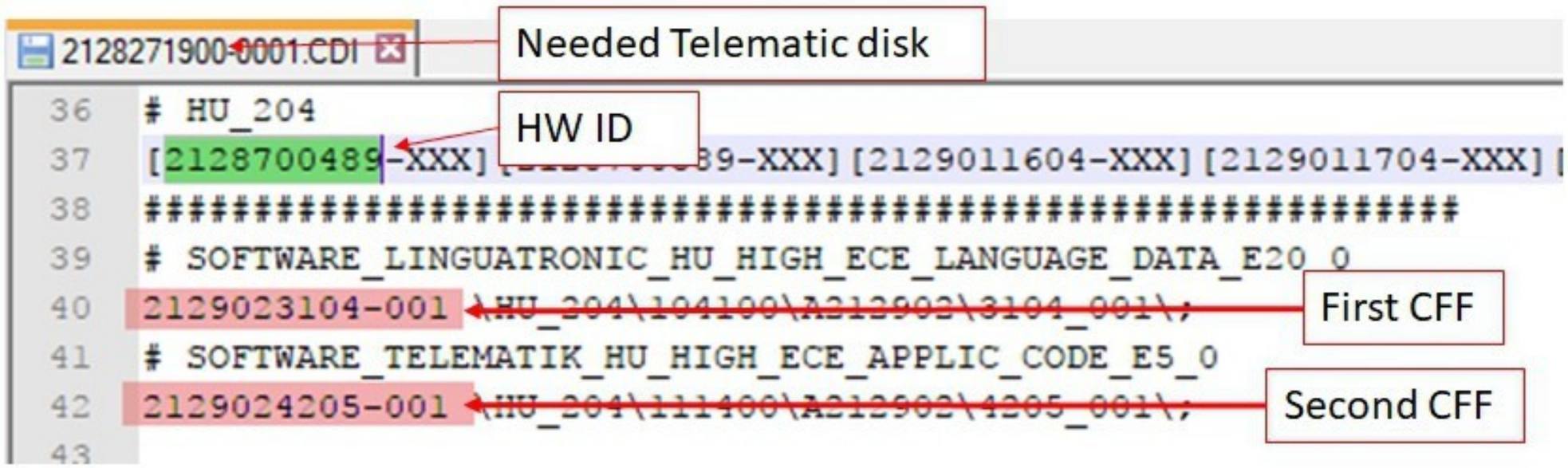
The SDFLASH files have files with the extension *.CDI .
The * is the partnumber of the telematic disk.

1. save the Hardware ID of your Comand
2. search in all CDI files for your hardware ID number
3. use the found CFF files
4. Buy or burn correct Telematics disk
5. Put telematics disk in comand
6. start flashing with the found CFF files
   If parsing error happens telematics disk is not well burned.

HW ID:

```
Steuergerät:                        HU_204
MB-Nummer:                          2128700489
Hardware-Stand(W/J):                08/38
Software-Stand(W/J):                nicht unterstützt/nicht unterstützt
Lieferant:                          Mitsubishi Electric
Diagnoseversion:                    3 ($2803)
SG-Kennung:                         40
Stand:                              Serienstand
FertigungsDatum(T/M/J):             nicht unterstützt/nicht unterstützt/nicht unterstützt
Software Version:                   604160 ($93800)
ECUOrigin87:                        0001
Boot-Software Fingerprint:          nicht unterstützt
Boot-Software Identifikation:       nicht unterstützt
Code Fingerprint:                   Datum:   211209   Tester#: ff
Code Identifikation:                Kennung: 2803     Version: 93800    Teilenummer: 2129028602
Daten Fingerprint:                  Datum:   211209   Tester#: ff
Daten Identifikation:               Kennung: 2803     Version: 93800    Teilenummer: 2129028702
```

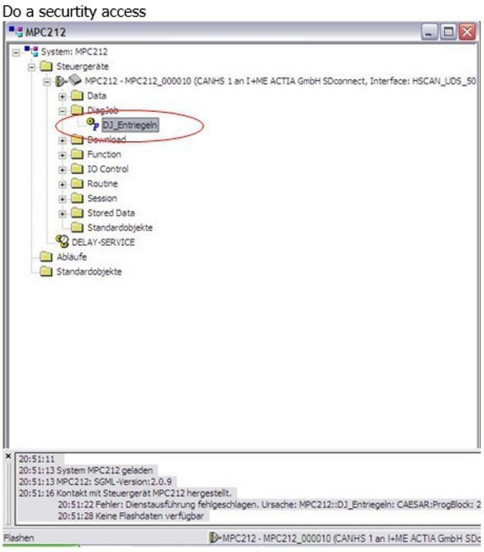
Extract from CDI file:



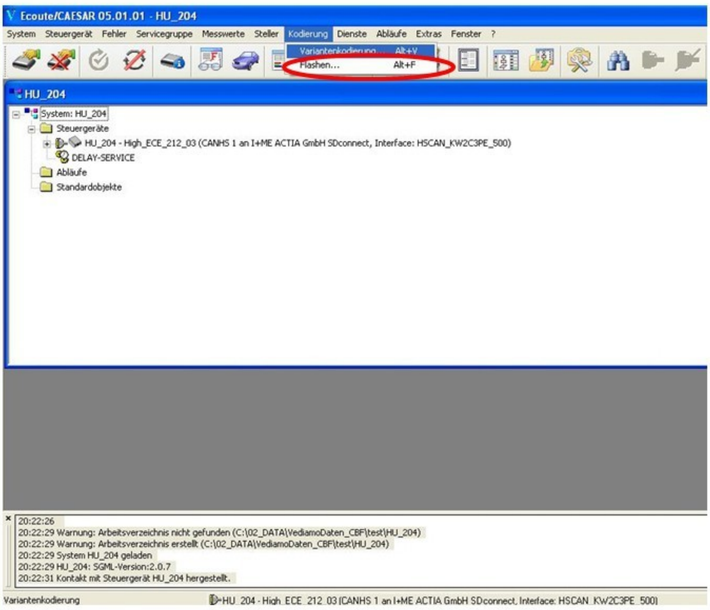
4. Flashing a ECU with one CFF (which CFF and how)

IMPORTANT REMARK:
WHEN YOU FLASH A ECU EVERY ECU IN THE CAR WILL GET ERROR/MISTAKE/FAULT MESSAGES
IT IS HIGHLY RECOMMEND TO DO A QUICKTEST IN XENTRY AND DELETE ALL FAULT CODES

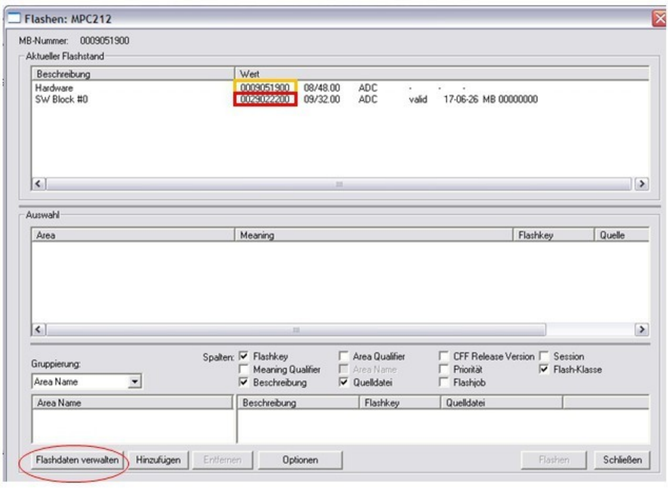
Do a securtity access



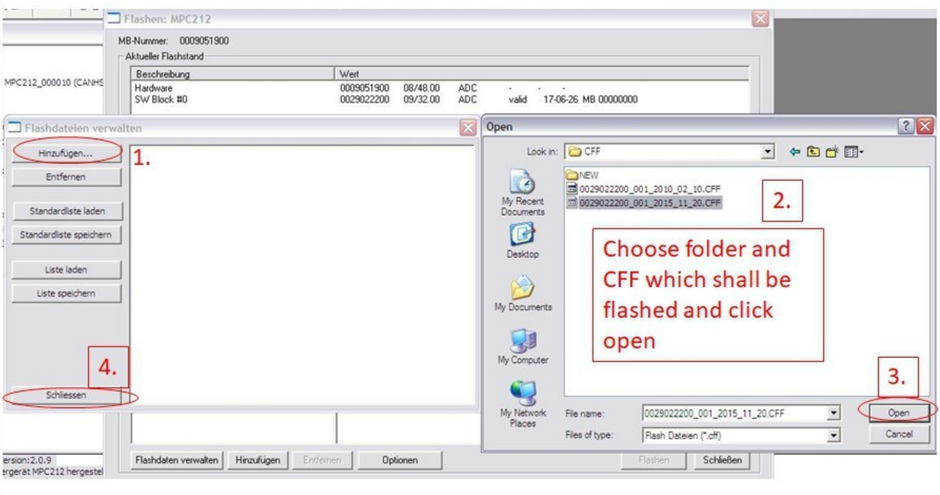
Then click at flashen:

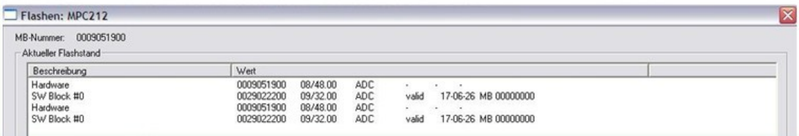


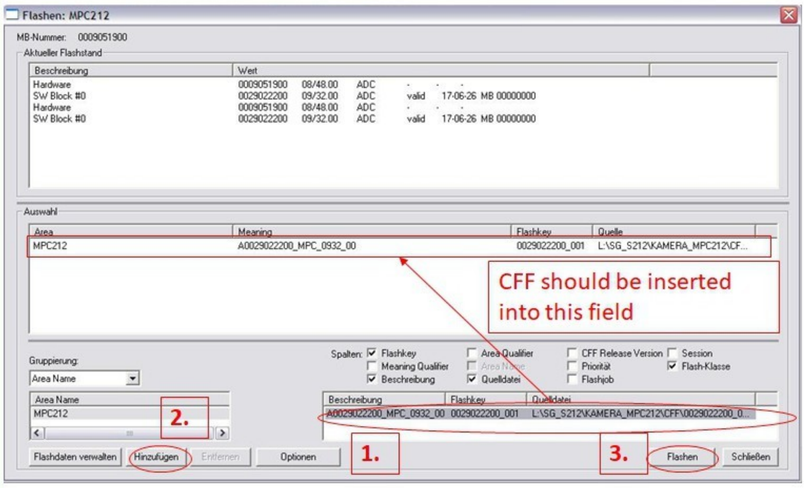
Click at Flashdaten verwalten.

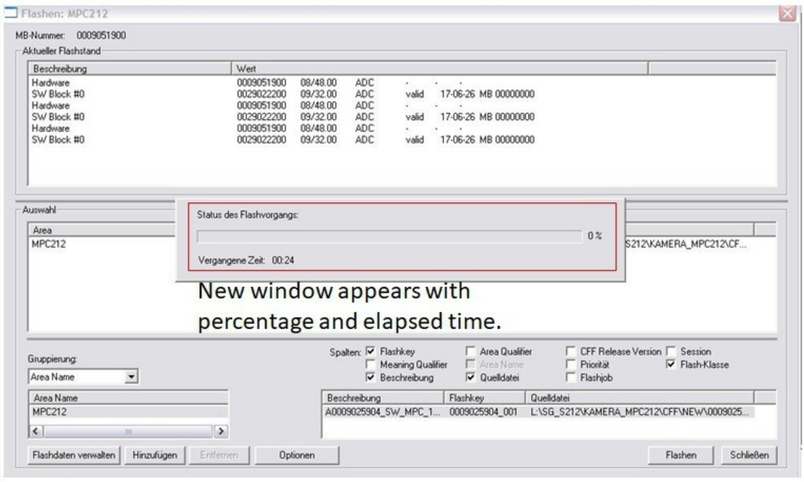


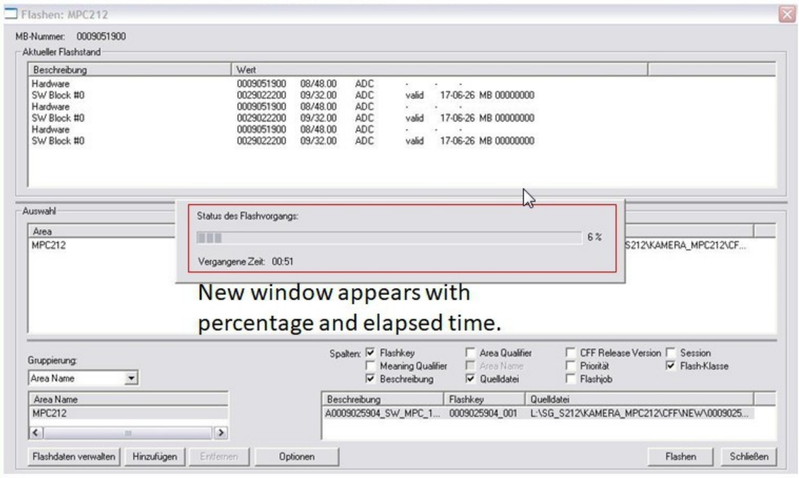
click hinzufügen and choose the folder with cff which should be flashed.

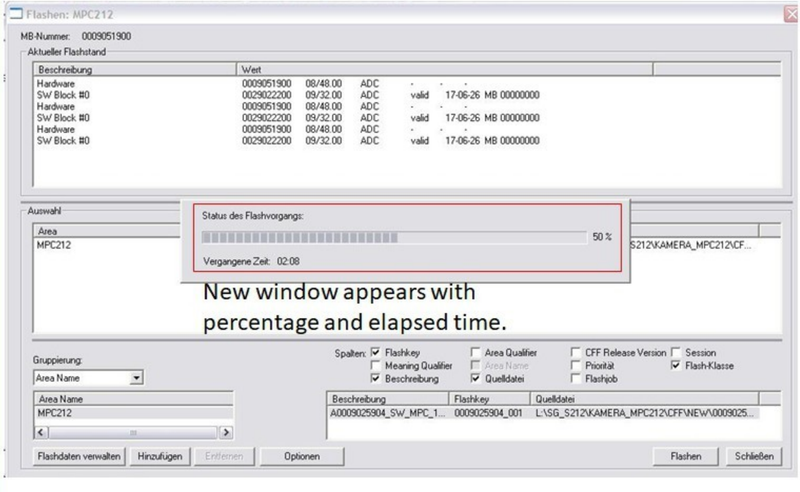


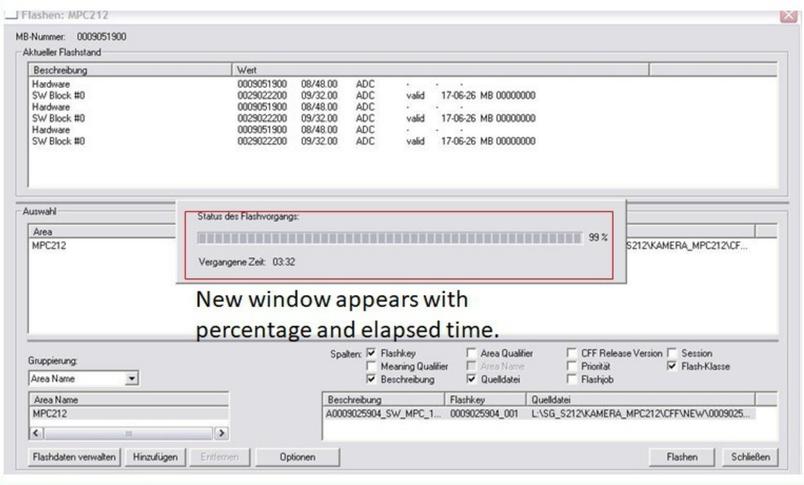



Flashen: MPC212
MB-Nummer: 0009051900
Aktueller Flashstand
Beschreibung
Wert
Hardware 0009051900 08/48.00 ADC - - -
SW Block #0 0029022200 09/32.00 ADC valid 17-06-26 MB 00000000
Hardware 0009051900 08/48.00 ADC - - -
SW Block #0 0029022200 09/32.00 ADC valid 17-06-26 MB 00000000
Auswahl
Area
Meaning
Flashkey
Quelle
MPC212
A0029022200_MPC_0932_00
0029022200_001
L:\SG_S212\KAMERA_MPC212\CF...
CFF should be inserted into this field
Gruppierung:
Area Name
Spalten:
Flashkey
Area Qualifier
CFF Release Version
Session
Meaning Qualifier
Area Name
Priorität
Flash-Klasse
Beschreibung
Quelldatei
Flashjob
Area Name
MPC212
Beschreibung
Flashkey
Quelldatei
A0029022200_MPC_0932_00 0029022200_001 L:\SG_S212\KAMERA_MPC212\CFF\002902220 0...
2.
1.
3.
Flashdaten verwalten
Hinzufügen
Entfernen
Optionen
Flashen
Schließen


Flashen: MPC212
MB-Nummer: 0009051900
Aktueller Flashstand
Auswahl
Status des Flashvorgangs:
0 %
Vergangene Zeit: 00:24
New window appears with percentage and elapsed time.
Flashdaten verwalten
Hinzufügen
Entfernen
Optionen
Flashen
Schließen


Flashen: MPC212
MB-Nummer: 0009051900
Aktueller Flashstand
Auswahl
Status des Flashvorgangs:
6 %
Vergangene Zeit: 00:51
New window appears with percentage and elapsed time.
Flashdaten verwalten
Hinzufügen
Entfernen
Optionen
Flashen
Schließen


Flashen: MPC212
MB-Nummer: 0009051900
Aktueller Flashstand
Auswahl
Status des Flashvorgangs:
50 %
Vergangene Zeit: 02:08
New window appears with percentage and elapsed time.
Flashdaten verwalten
Hinzufügen
Entfernen
Optionen
Flashen
Schließen


Flashen: MPC212
MB-Nummer: 0009051900
Aktueller Flashstand
Auswahl
Status des Flashvorgangs:
99 %
Vergangene Zeit: 03:32
New window appears with percentage and elapsed time.
Flashdaten verwalten
Hinzufügen
Entfernen
Optionen
Flashen
Schließen

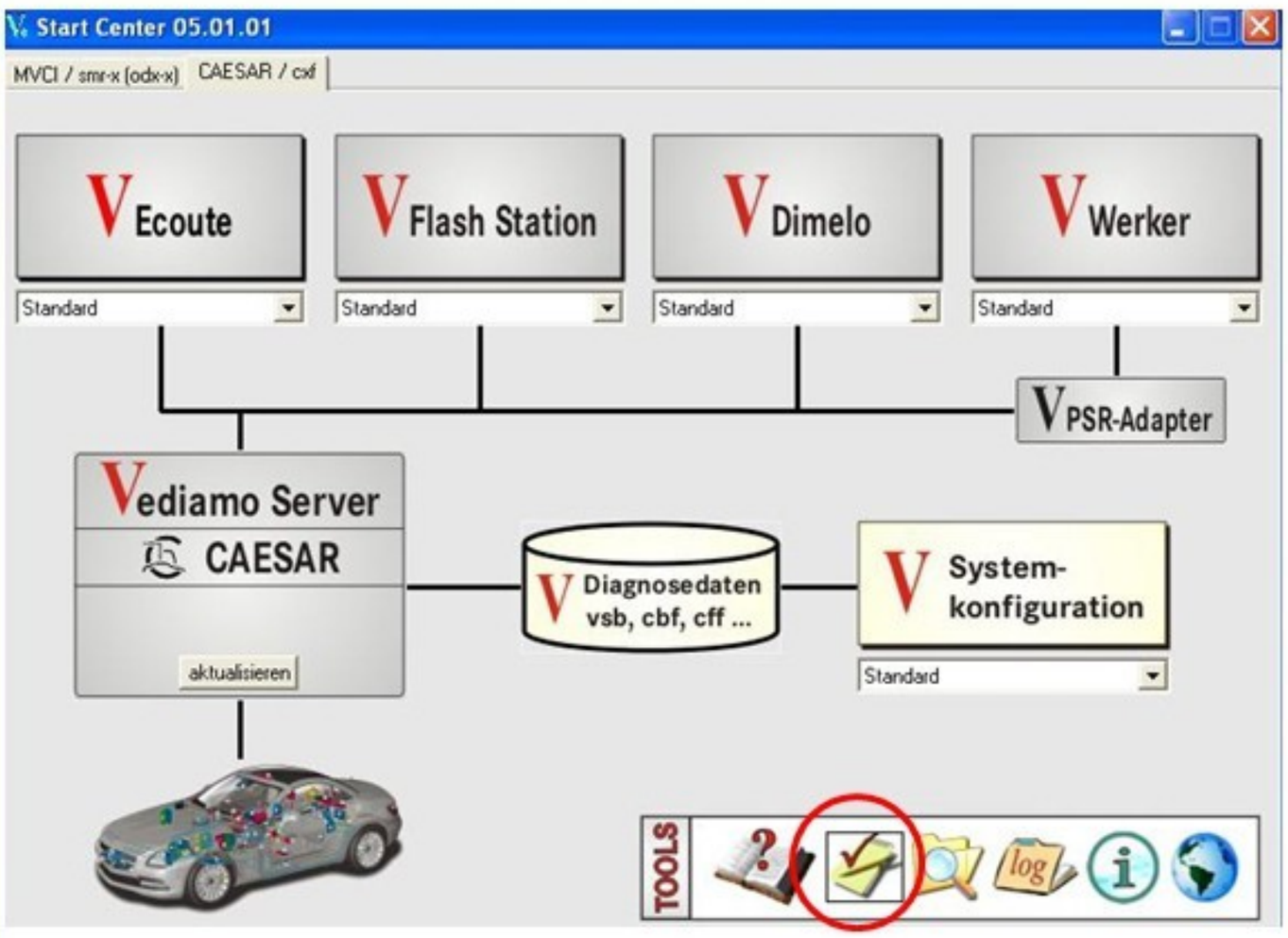
4.3 Flashing a ECU with more than one CFF

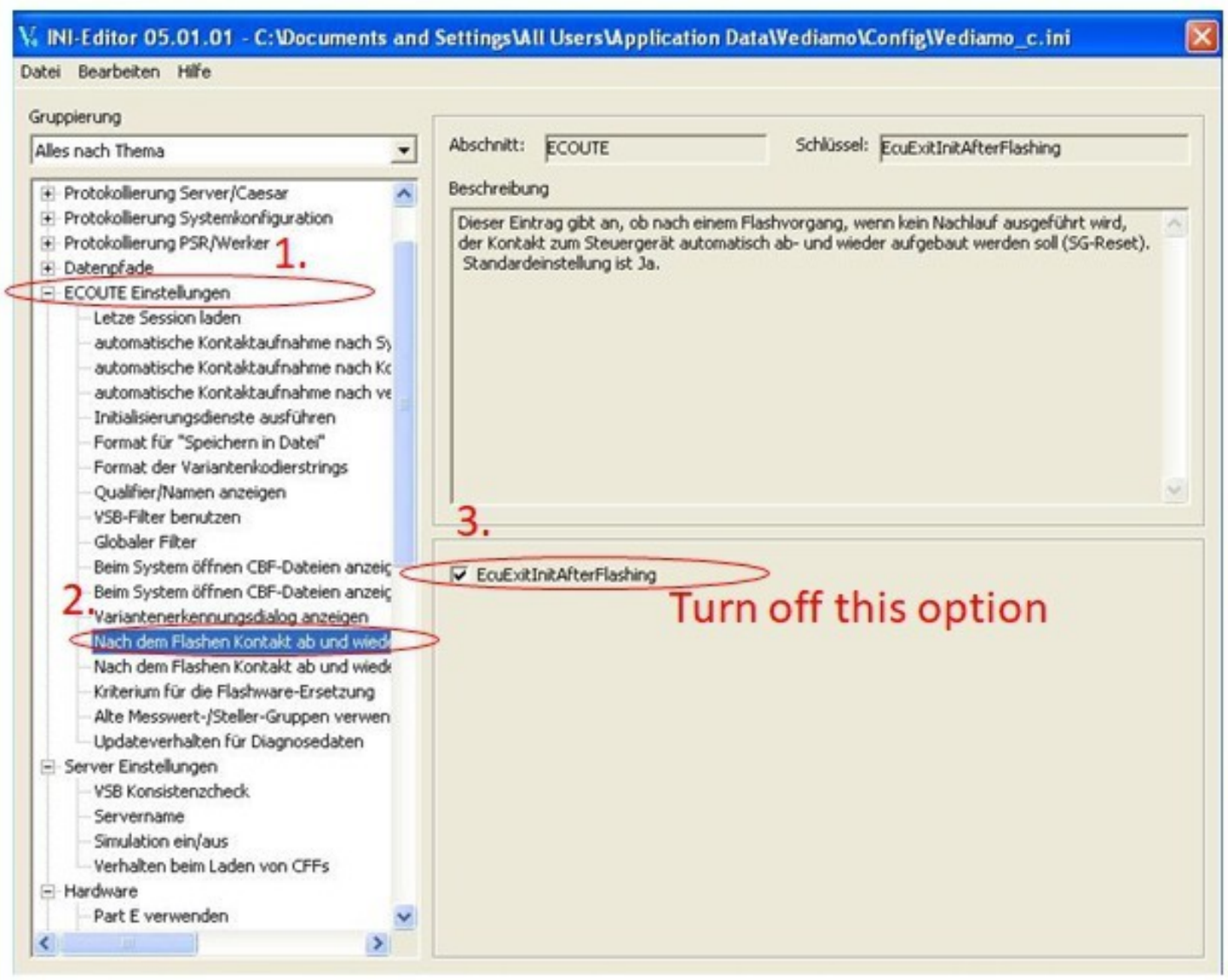
I have done it with my IC_204
But the first time i tried to flash and got stuck into a boot loop. Then I tried again and it was flashed completly.
IC_204 works then.
I have just found a workaround to get flashed more CFFs at once.

> Facelifted IC_204 has 5 blocks with software, and in vediamo u can check block IDs and realise which are successfully flashed and which are not. So simply check it and flash remaining cffs. Obviously if u flashed wrong cffs then u will need firstly realise right cffs

> obviously u cant change anything in coding since ur sw is not successfully flashed. Software doesnt remain the same after error. It flashes "badly" and u need to reflash it to have it working properly. So flash both files again and find in vediamo ini editor "EcuExitInitAfterFlashing" and disable it, so vediamo wont reconnect to unit after each cff flash. And u will have 1 flash session during which cffs (up to 4 files) will be flashed together. U need to flash units that have more than 1 SW block during 1 flash session to avoid errors like u have

To change the EcuExitinitafterflashing you need to change something in the option of the first vediamo window.





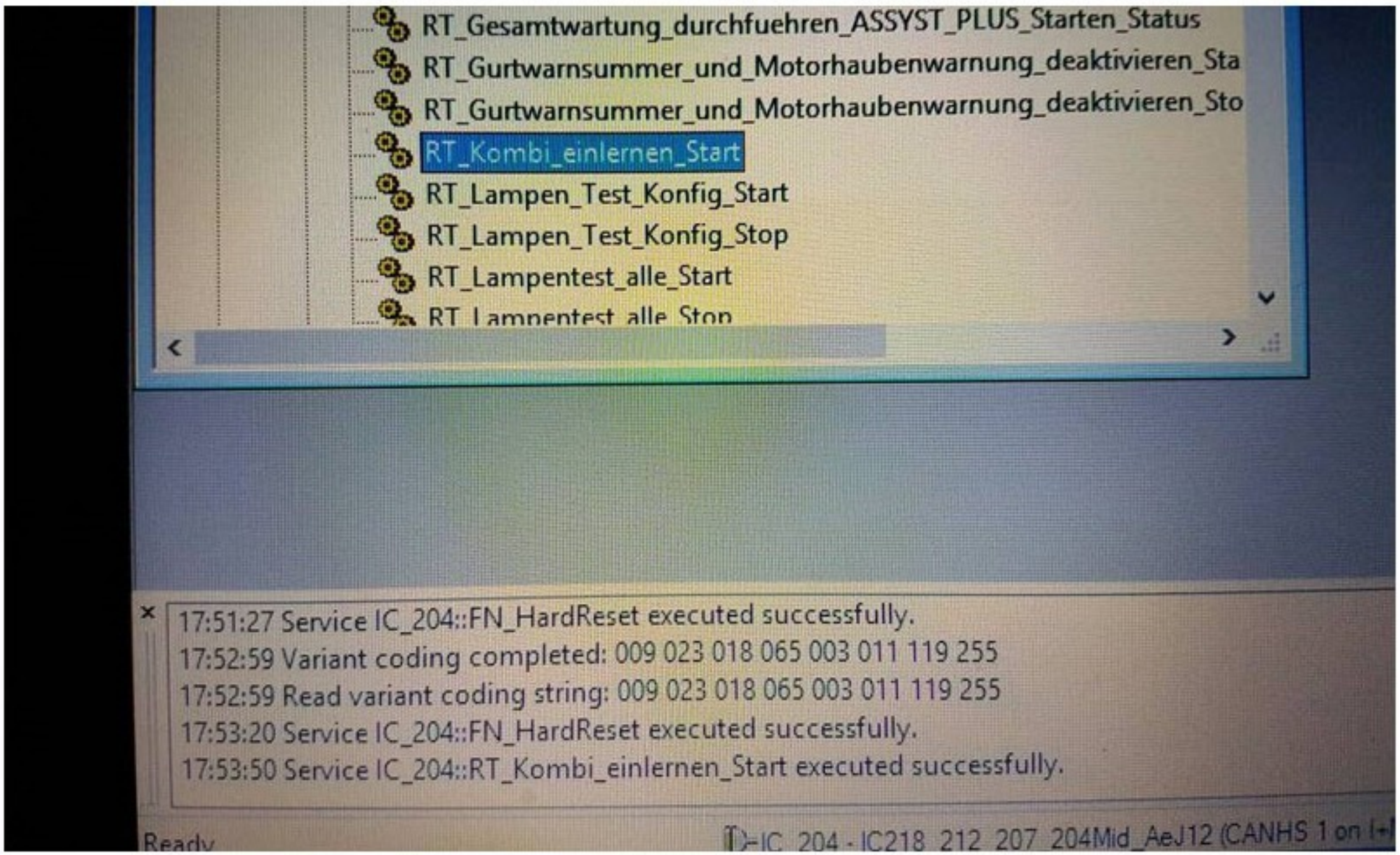
5.1 Sync IC to EZS (204) - not tested

```
ECU: IC_204

Haven´t tried it.
You need to test it
```

W204 Sync used KI to EZS with Vediamo

Finally after spending a few hours to vediamo - I never used it before - I found the solution for me..



Only cluster set back to zero by dp3. nothing more nothing less...

5.2 SBC renew/reset by DAS - not tested

FIRST DESCRIPTION

Make sure engine is running !!!

In Developer mode you need to go to Entwickelingsdaten - > ansteueringen -> Gesamstliste aller Ansteuerungen

to see how many times brake has been pressed there is a line that says: Bremsenzahler (DJ_GetBrLive)

then 1 line down there you see Bremsenzahler aktualisieren und Lebensdauerzahler F neu berechenen -> click it !
Parameter uINBR = 0
then click F3

1 line down Bremsenzahler auf beliebigen Wert setzen (DJ_SetNBr) -> click it
Parameter uINBR = 0
then click F3

then scroll down untill you see the line's :

Lebensdauerzahler F neu berechenen (DJ_CalcLiveTime)
Parameter uINBR = 0
then click F3

Lebensdauerzahler F neu berechenen und schreiben (DJ_BuildAndWriteF)
Parameter uINBR = 0
then click F3

Log out of SBC !!
log out of verhicle !!

let engine run at least 10 minutes or drive at least 10 minutes

If no coils are damaged , SBC fault code is not AKTUEL nomore

---

==========
SECOND DESCRIPTION

RE: Mercedes SBC Unit c2498 fault

To Solve this Issue Using DevMode :
Find Line where DJ_SetPmpCycle, and DJ_SetpmpCycleInit
Put 0 then F3, go out for SBC, Ign Off, Ign On then start Motor, Nomore C2498 Error
TESTED by ME !

==========
THIRD DESCRIPTION

TRY THIS AT YOUR OWN RISK
SBC UNIT EXTEND SERVICE LIVE

UNDER NO CIRCUMSTANCES USE THIS PROCEDURE MORE THAN ONCE ON ANY CAR AS TRUE SERVICE LIFE OF SBC UNIT IS AROUND 160-180% OF WHAT MB SET THE UNIT AT

Make sure engine is running !!!

In Developer mode you need to go to Entwickelingsdaten - > ansteueringen -> Gesamstliste aller Ansteuerungen

to see how many times brake has been pressed there is a line that says: Bremsenzahler (DJ_GetBrLive)

then 1 line down there you see Bremsenzahler aktualisieren und Lebensdauerzahler F neu berechenen -> click it !
Parameter uINBR = 0
then click F3

1 line down Bremsenzahler auf beliebigen Wert setzen (DJ_SetNBr) -> click it
Parameter uINBR = 0
then click F3

then scroll down untill you see the line's :

Lebensdauerzahler F neu berechenen (DJ_CalcLiveTime)
Parameter uINBR = 0
then click F3

Lebensdauerzahler F neu berechenen und schreiben (DJ_BuildAndWriteF)
Parameter uINBR = 0
then click F3

Log out of SBC !!
log out of verhicle !!

let engine run at least 10 minutes or drive at least 10 minutes

If no coils are damaged , SBC fault code is not AKTUEL no more

5.3 Entering Engineering Menu NTG 4.5 / 4.7

This is a set with different menu, engineering menu, dealer menu etc.
Some of them will work, some not.
You need to try

- HANG UP (red, reject call) + # + 1 - engineering menu
- HANG UP + # + 4
- HANG UP + 7 + 9
- HANG UP + 2
- HANG UP + 6 + *

In this menus, you can navigate with knob turn and pushing it backward (or forward). If you on the last position and want next, push know to back.

5.4 NTG 4.5 DVD video not activated after flash - due to flash Japanese to ECE

ECU: HU45

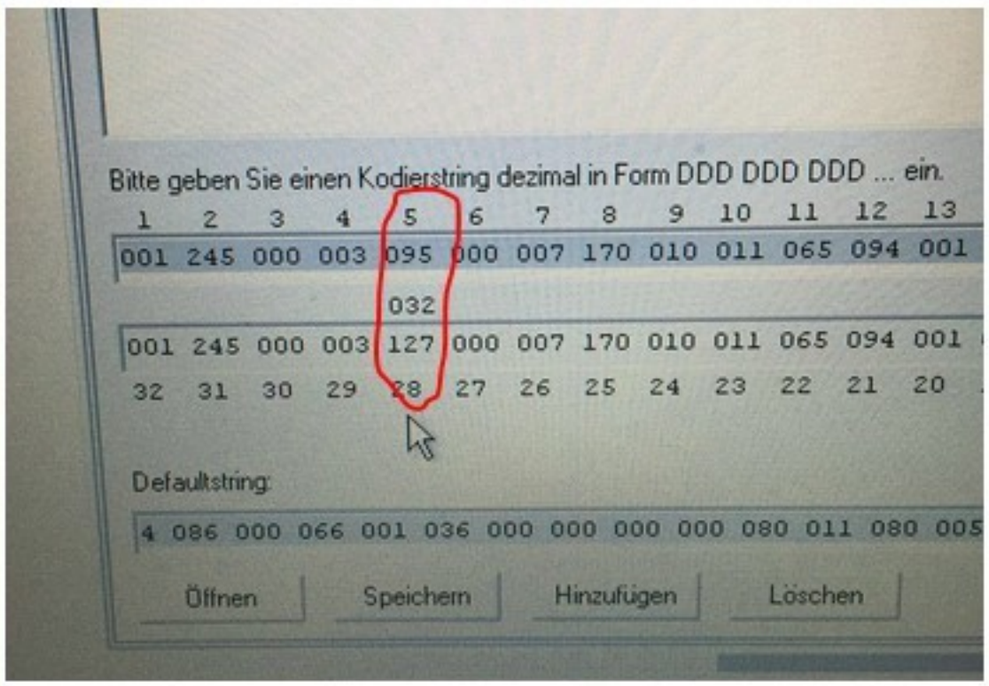
The coding need to be perfromed in manual mode and the coding string need to be in decimal not in hexadecimal. If it is not in decimal please change it from hexadecimal to decimal in ini from frist vediamo configuration window.

1. open variantcoding
2. choose dienste/group HU parameter
3. open manual coding

Add 032 on position 5 from coding string (see picture)

For example:
old coding is 095 and add 032 so put on this position 127
In detail: 095+032=**127**

4. Click sg-kodieren
5. reset Comand



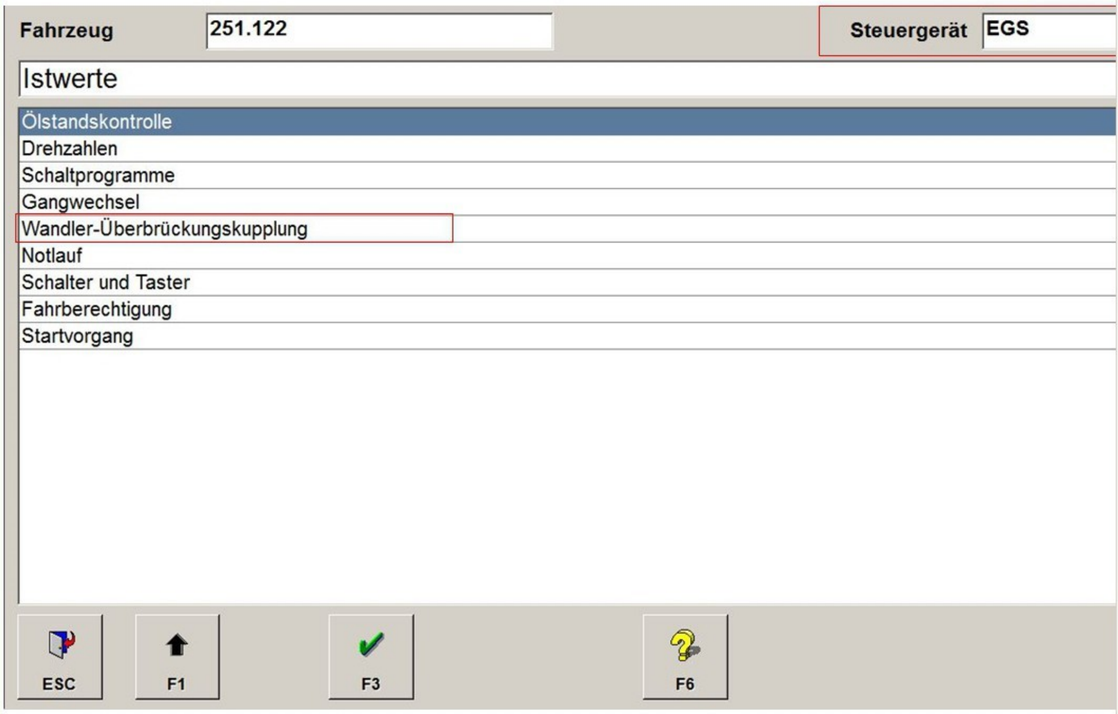
5.5 KÜB lock up

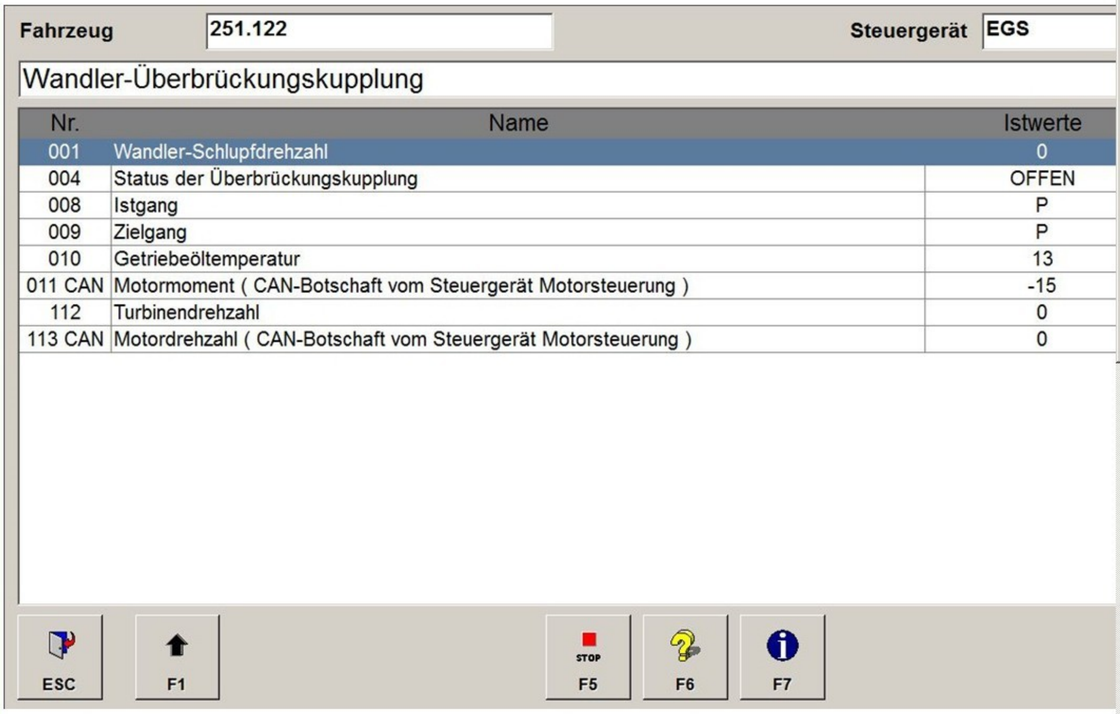
Programs used:

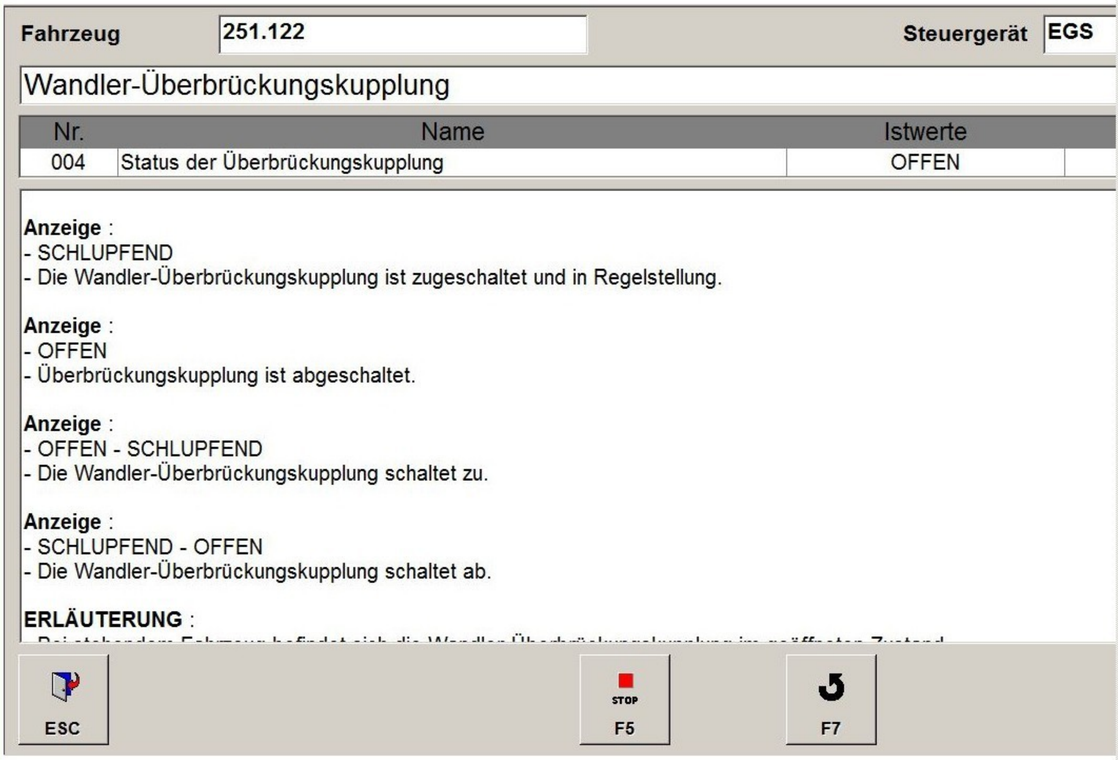
1. DAS
2. Vediamo

5.5.1 DAS - with adaption

ECU: EGS







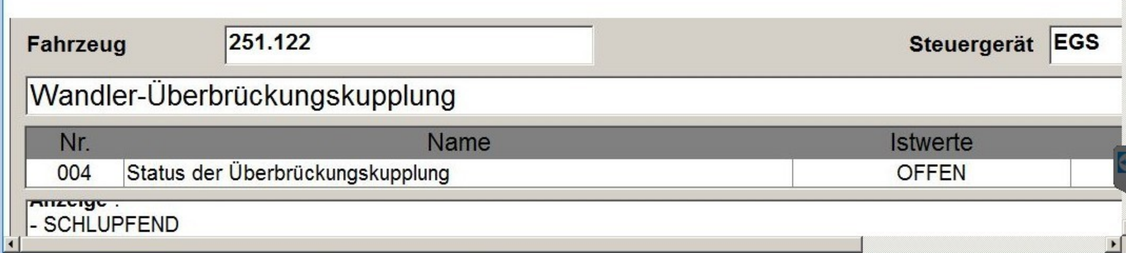
Anzeige :
- SCHLUPFEND
- Die Wandler-Überbrückungskupplung ist zugeschaltet und in Regelstellung.

Anzeige :
- OFFEN
- Überbrückungskupplung ist abgeschaltet.

Anzeige :
- OFFEN - SCHLUPFEND
- Die Wandler-Überbrückungskupplung schaltet zu.

Anzeige :
- SCHLUPFEND - OFFEN
- Die Wandler-Überbrückungskupplung schaltet ab.

ERLÄUTERUNG :



Fahrzeug 251.122 **Steuergerät** EGS

Wandler-Überbrückungskupplung

Nr.	Name	Istwerte
004	Status der Überbrückungskupplung	OFFEN

Anzeige :
- SCHLUPFEND
- Die Wandler-Überbrückungskupplung ist zugeschaltet und in Regelstellung.

Anzeige :
- OFFEN
- Überbrückungskupplung ist abgeschaltet.

Anzeige :
- OFFEN - SCHLUPFEND
- Die Wandler-Überbrückungskupplung schaltet zu.

Anzeige :
- SCHLUPFEND - OFFEN
- Die Wandler-Überbrückungskupplung schaltet ab.

ERLÄUTERUNG :
- Bei stehendem Fahrzeug befindet sich die Wandler-Überbrückungskupplung im geöffneten Zustand.
- Im Fahrbetrieb wird die Wandler-Überbrückungskupplung lastabhängig ab dem Gang 1 oder 2 zugeschaltet.

ESC STOP F5 F7

Fahrzeug 251.122 **Steuergerät** EGS

Sonderabläufe

- Schließen der Wandlerüberbruckungskupplung
- Sonderablauf: Nur für Marktbetreuung (MBVD oder AMG)
- Zurücksetzen der Adaptionsdaten Hydraulische Bremse B2

ESC F1 F3

Fahrzeug 251.122 **Steuergerät** EGS

Schließen der Wandlerüberbruckungskupplung

WICHTIGER HINWEIS :
- Bitte verwenden Sie diese Ansteuerung nur nach Rücksprache mit Ihrem Market Performance Center (MPC).
- Die Ansteuerung bewirkt das vollständige Schließen der Wandlerüberbrückungskupplung. Dies kann zu erhöhter Gerä
- Bei Statusänderung der Ansteuerung der Wandlerüberbrückungskupplung kann es zu einem Ruck im Antriebsstrang k Systemverhalten ist normal und kann nicht verhindert werden.
- Es wird empfohlen, den Ablauf auf ebener oder leicht ansteigender Strecke durchzuführen.
- TIPS-Dokument beachten.

Durchführung des Prüfablaufes im Rahmen einer Probefahrt
Hierzu ist grundsätzlich eine zweite Person erforderlich, die die angezeigten Daten beobachtet.

Weiter über Taste F2

ESC F1 F2

Fahrzeug 251.122 **Steuergerät** EGS

Durchführung der Adaption

Voraussetzungen:

Der Motor läuft

- Bei stehendem Fahrzeug befindet sich die Wandler-Überbrückungskupplung im geöffneten Zustand.
- Im Fahrbetrieb wird die Wandler-Überbrückungskupplung lastabhängig ab dem Gang 1 oder 2 zugeschaltet.

ESC | STOP F5 | F7

Fahrzeug 251.122 **Steuergerät** EGS

Sonderabläufe

- Schließen der Wandlerüberbruckungskupplung
- Sonderablauf: Nur für Marktbetreuung (MBVD oder AMG)
- Zurücksetzen der Adaptionsdaten Hydraulische Bremse B2

ESC | F1 | F3

Fahrzeug 251.122 **Steuergerät** EGS

Schließen der Wandlerüberbruckungskupplung

WICHTIGER HINWEIS :
- Bitte verwenden Sie diese Ansteuerung nur nach Rücksprache mit Ihrem Market Performance Center (MPC).
- Die Ansteuerung bewirkt das vollständige Schließen der Wandlerüberbrückungskupplung. Dies kann zu erhöhter Gerä
- Bei Statusänderung der Ansteuerung der Wandlerüberbrückungskupplung kann es zu einem Ruck im Antriebsstrang k
  Systemverhalten ist normal und kann nicht verhindert werden.
- Es wird empfohlen, den Ablauf auf ebener oder leicht ansteigender Strecke durchzuführen.
- TIPS-Dokument beachten.

Durchführung des Prüfablaufes im Rahmen einer Probefahrt
Hierzu ist grundsätzlich eine zweite Person erforderlich, die die angezeigten Daten beobachtet.

Weiter über Taste F2

ESC | F1 | F2

Fahrzeug 251.122 **Steuergerät** EGS

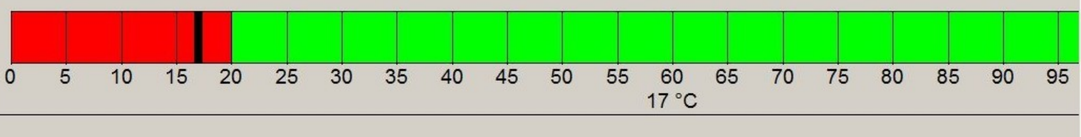
Durchführung der Adaption

Voraussetzungen:

Der Motor läuft.

Die Getriebeöltemperatur muss über 20 °C liegen.

Temperatur des Getriebeöls:



ESC | F1

5.5.2 vediamo - just lock up

ECU: VGSNAG2

Ecoute/CAESAR 05.01.01 - VGSNAG2

System Steuergerät Fehler Servicegruppe Messwerte Steller Kodierung Dienste Abläufe Extras Fenster ?

VGSNAG2

- System: VGSNAG2
  - Steuergeräte
    - VGSNAG2 - VGS2_8101 (Sim 0 an Simulation, Interface: NULL)
      - Data
      - DiagJob
      - Download
      - Function
      - IO Control
      - Routine
        - RT_Adaptionsdaten_KA_EEPROM_Schreiben_Starten
        - RT_Adaptionsdaten_KUEB_EEPROM_Schreiben_Starten
        - RT_Checkroutine_Code_Starten_CRC_und_Signatur
        - RT_Checkroutine_SWL_Starten_CRC_und_Signatur
        - RT_DEL_VARCOD_Starten
        - RT_Erase_Code_Data_Starten
        - RT_Fehlerspeicher_VRV_i_Starten
        - RT_Kueb_Ansteuerung_Starten
        - RT_Routine_EEProm_HEFI_i_Starten
        - RT_Routine_EEProm_KA_i_Starten
        - RT_Routine_EEProm_KIDSIKOKA_i_Starten
        - RT_Routine_EEProm_KUEB_i_Starten
        - RT_Routine_EEProm_SCN_i_Starten
        - RT_Routine_EEProm_Sig_i_Starten
        - RT_Routine_EEProm_V_i_Starten

Eingabe-Parameter für RT_Kueb_Ansteuerung_Starten

Qualifier	Name
RT_Kueb_Ansteuerung_Starten	Status

Beschreibung:

Nicht bedatet.

Kueb aus in C

- Kueb aus in C
- Kueb aus
- Kueb ein
- Kueb lock up

Abbrechen OK

```
20:08:44 VGSNAG2: SGML-Version:04.00.93
20:08:47 Kontakt mit Steuergerät VGSNAG2 hergestellt.
         20:10:14 Kontakt mit Steuergerät VGSNAG2 verloren.
20:10:14 Kontakt mit Steuergerät VGSNAG2 hergestellt.
         20:10:18 Fehler: Service RT_Routine_EEProm_CCSQ_i_Starten nicht gefunden.
         20:10:18 Fehler: Service RT_Routine_EEProm_NAK_i_Starten nicht gefunden.
```

Bereit VGSNAG2 - VGS2_8101 (Sim 0 an Simulation, Interface: NULL)

5.7 NTG 2.5 - working at the bench without car

This is a explaination writen by user schou

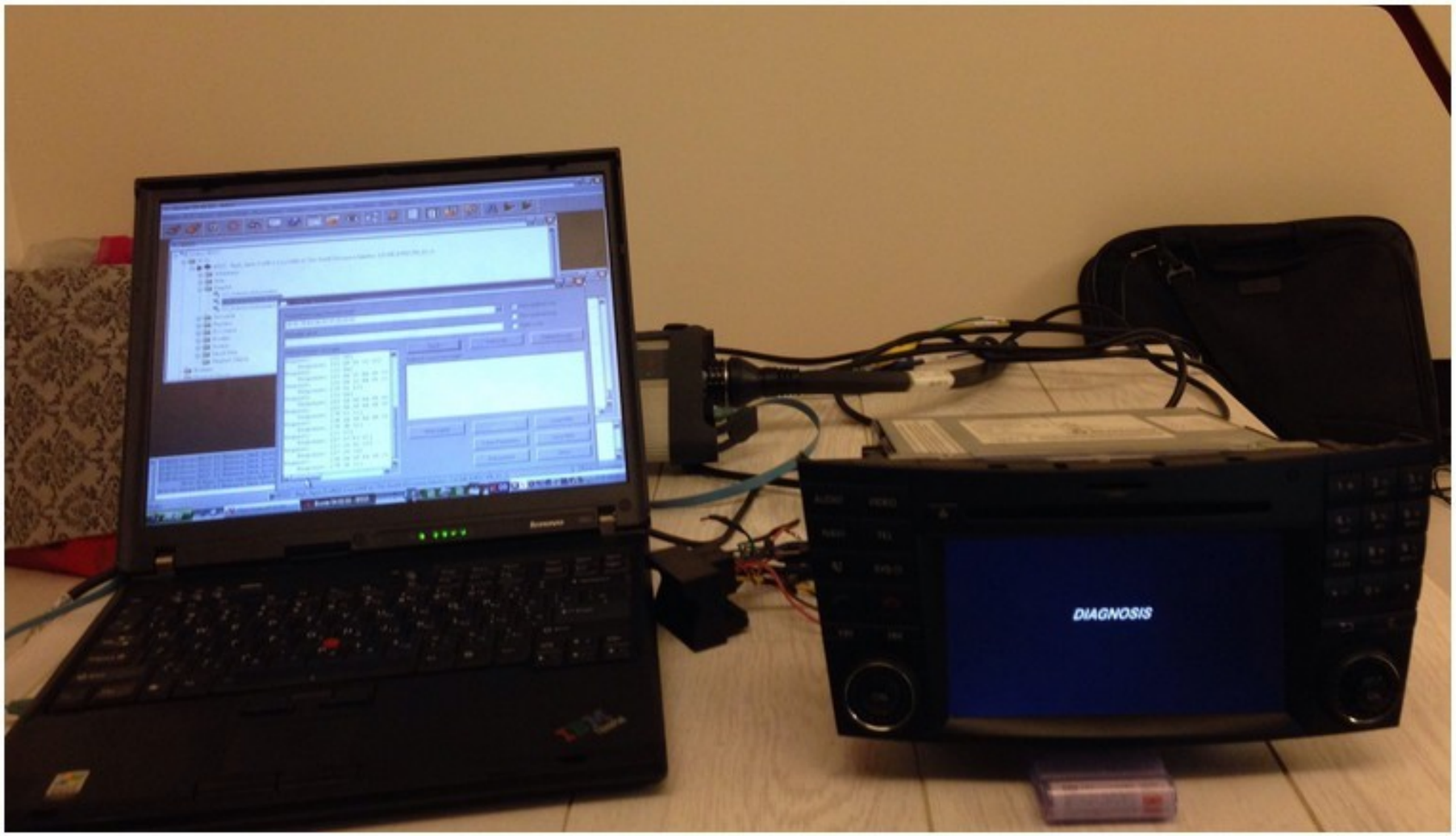
What you need to do is connect NTG2.5 with your SDConnect C4,
you need to connect KL30/KL31/CAN-H/CAN-L,
you don't need to connect the ignition pin because NTG2.5 doesn't have KL15.

And, you need to attach a 120ohm resistor as a terminal between CAN-H and CAN-L,
it's a request of CAN BUS protocol. You can check this thread

normal 0.125W -0.25W carbon resistor is OK (Wirewound is not OK)

Then, if your connection are all correct, you should use vediamo to code your NTG2.5,
the CBF file is HU25.cbf, you can't use Xentry/DAS because there is no ZGW on your bench,
so the Xentry/DAS will never be connected with NTG2.5.

If you want to test rear view camera, you just need connect your camera to the NTG2.5,
but you need supply +12V power to your camera manually.



5.8 FVDI Tool - KI/IC Eeprom read/write (switch KI/IC to AMG)

Be aware that you may loose the original assyst data.
Always do a backup of your original KI EEprom

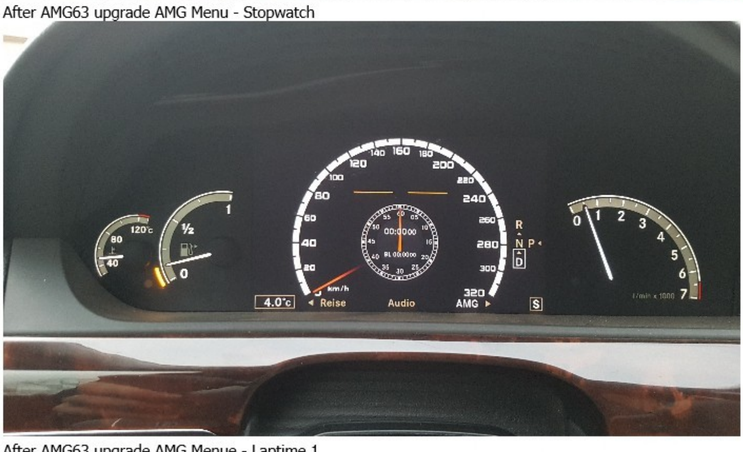
1. Standard

2. After AMG63 upgrade - start logo

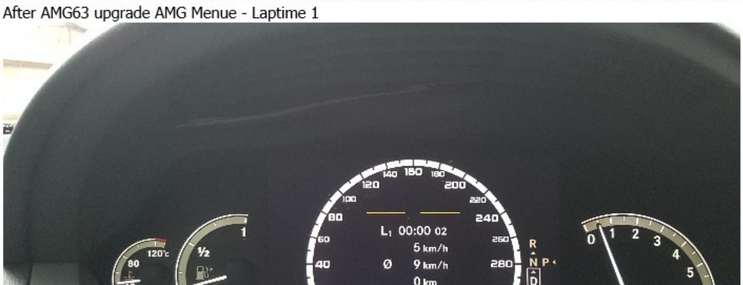
3. After AMG63 upgrade - 320kmh

4. After AMG63 upgrade AMG Menu

5. After AMG63 upgrade AMG Menu - Stopwatch



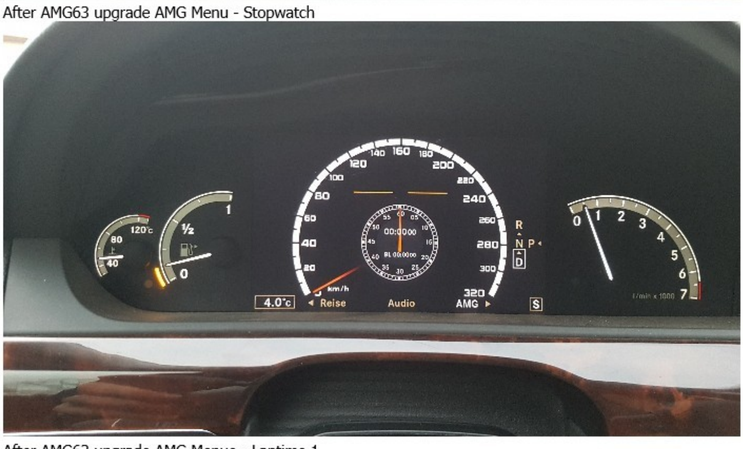
6. After AMG63 upgrade AMG Menue - Laptime 1



3. After AMG63 upgrade - 320kmh

4. After AMG63 upgrade AMG Menu

5. After AMG63 upgrade AMG Menu - Stopwatch



6. After AMG63 upgrade AMG Menue - Laptime 1

7. After AMG63 upgrade AMG Menu - Laptime 2

5.8.1 Eeprom links (204, 221, 216)

W221 w216 Brabus 360 dump :
http://mhhauto.com/Thread-W221-W216-Brabus-360kmh-EEPROM-Dump
W221-W216-Brabus-360kmh-EEPROM-Dump

W221 AMG dumps with 0 km & W204 AMG :
http://mhhauto.com/Thread-Mercedes-w221-Cluster-Instrument-change-to-AMG-Version--27679
W221 AMG dumps with 0 km & W204 AMG

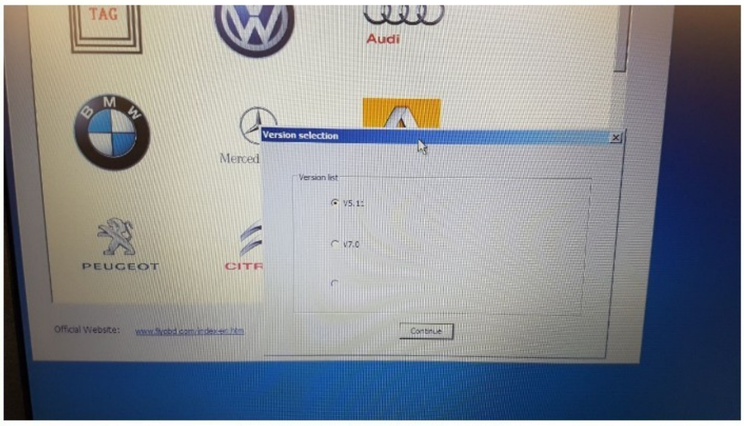
W221 AMG dumps V12 2012 :
http://mhhauto.com/Thread-Dash-DUMP-W221-V12-2012
W221 AMG dumps V12 2012

5.8.2 FVDI

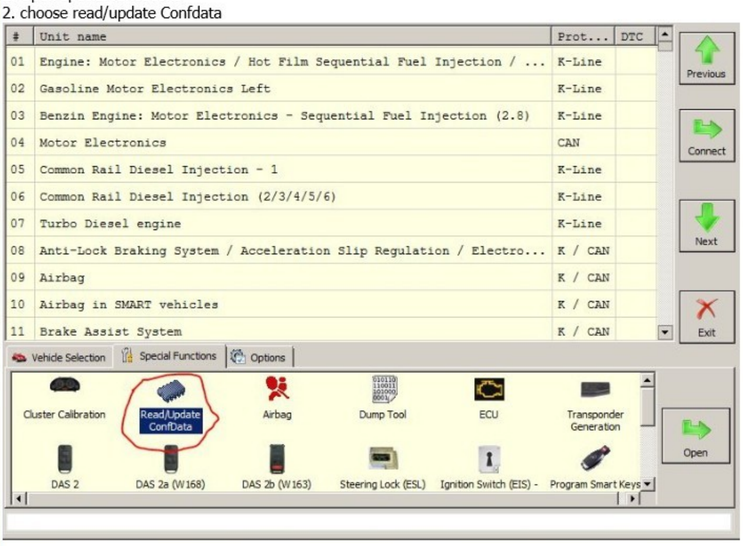
IMPORTANT:
- Save complete variant coding of KI/IC/DASH --> maybe necessary
- Save always original Eeprom --> if new Eeprom does not fit you may write the original one back

Possibilities:
- Switch a non amg cluster into a amg cluster but you need a new km plate then
- Switch the digital KI/IC/DASH withoit any hardware changes

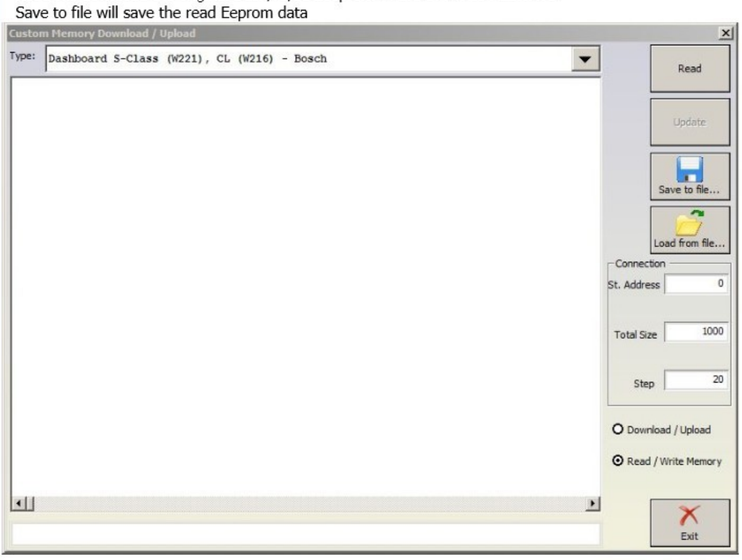
1. Start Mercedes V7.0



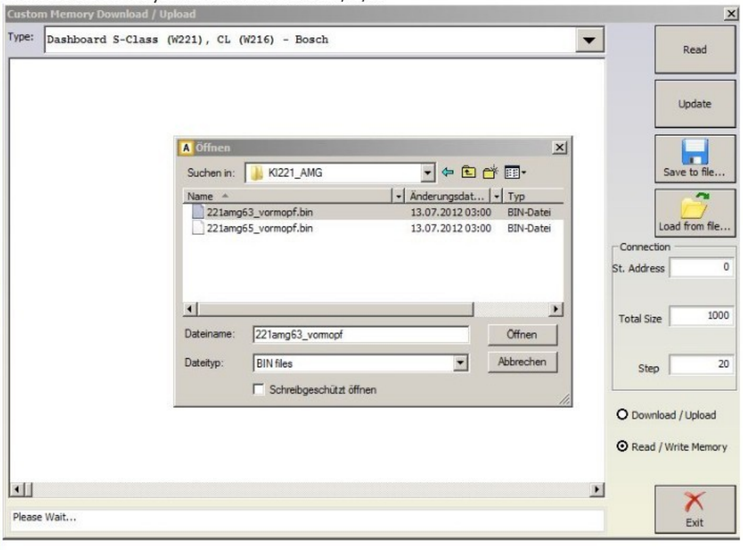
2. Open special functkions
2. choose read/update Confdata



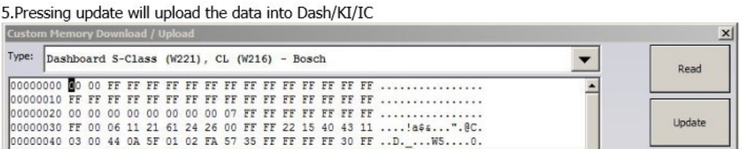
3. choose the write Dash/KI/IC
Read will download the original Dash/KI/IC Eeeprom - PERFOM THIS ALLWAYS
Save to file will save the read Eeprom data



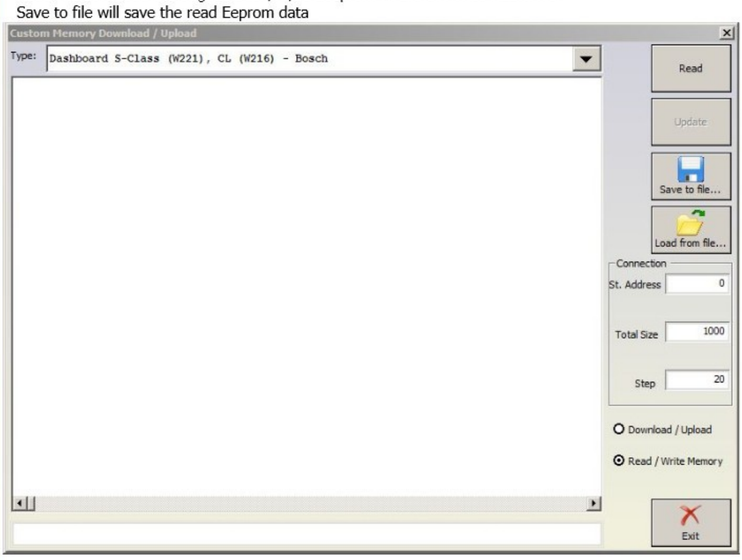
4. Choose the Bin file you want to write into Dash/KI/IC



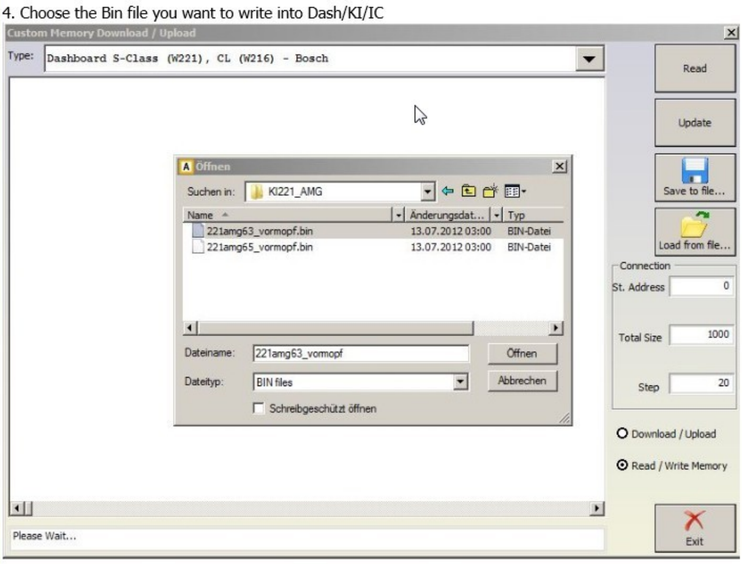
5.Pressing update will upload the data into Dash/KI/IC



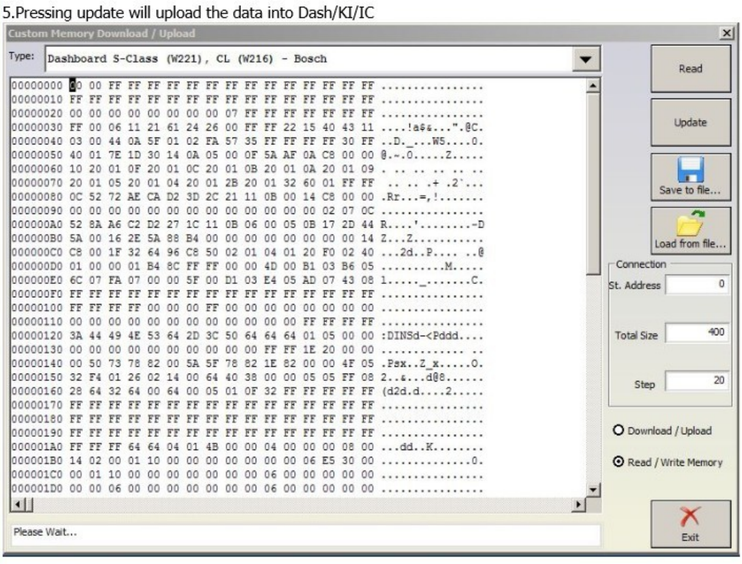
3. choose the write Dash/KI/IC
Read will download the original Dash/KI/IC Eeeprom - PERFOM THIS ALLWAYS
Save to file will save the read Eeprom data



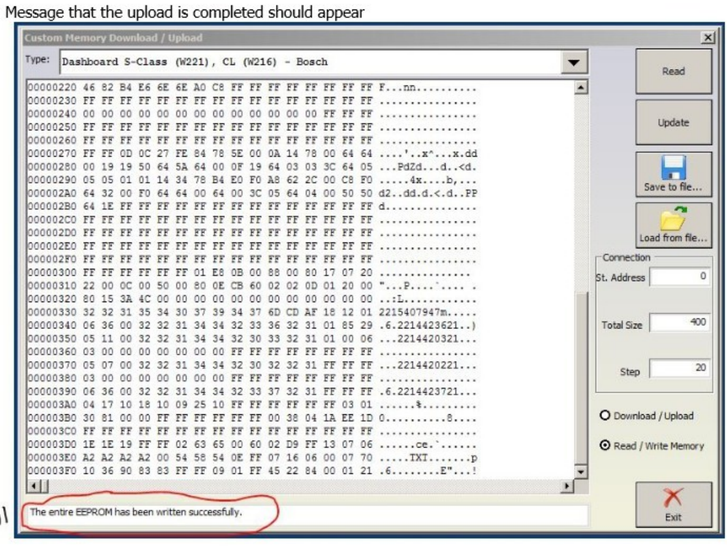
4. Choose the Bin file you want to write into Dash/KI/IC



5.Pressing update will upload the data into Dash/KI/IC



6. Message that the upload is completed should appear



7. Turn off ignition
8. close door
9. close car
10. open car
11. DASH/KI/IC should show AMG startup logo
12. three dashes should appear for km ---
13. error shpuld appear that DASH/KI/IC is not adapted/tought in

5.8.3 DASH/KI/IC adaption to car DAS

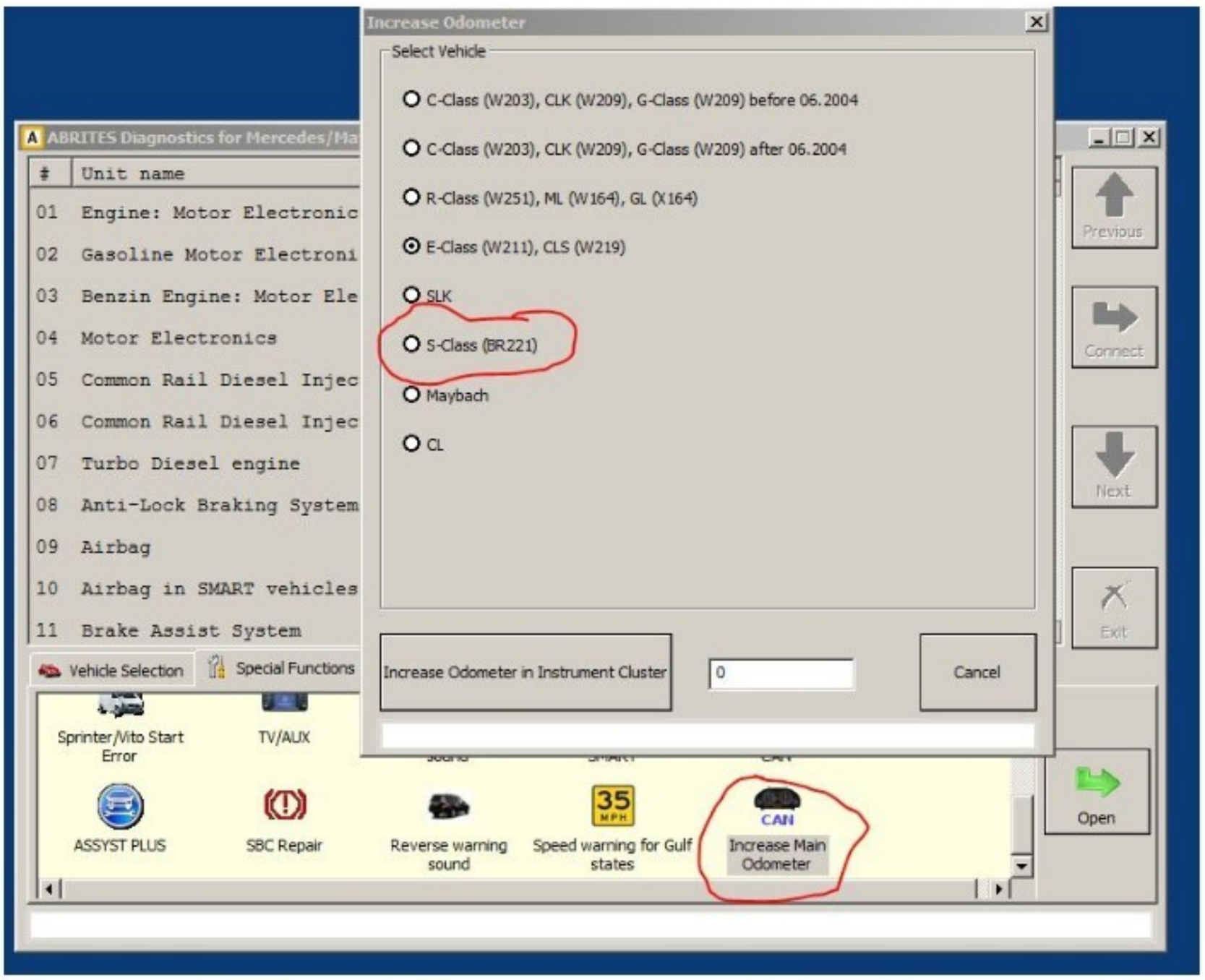
1. teach in DASH/KI/IC with DAS

Fahrzeug 221.171 **Steuergerät** Kombiin

Ansteuerungen

Displaymodus setzen: Start (RT_Displaymodus_setzen_Start)
Displaymodus setzen: Stopp (RT_Displaymodus_setzen_Stopp)
Dämpfung abschalten: Start (RT_Daempfung_abschalten_Start)
Dämpfung abschalten: Stopp (RT_Daempfung_abschalten_Stopp)
ECU Flash Reprogramming Session (SES_ECU_Flash_Reprogramming_Session)
ECU Passive Session (SES_ECU_Passive_Session)
ECU Reset (FN_ECU_Reset)
Extended Diagnostic Session (SES_Extended_Diagnostic_Session)
Flash Check Routine: Start Check Value Verification (RT_Flash_Check_Routine_Start_Check_Value_Verification)
Flash Check Routine: Start Decryption Verification (RT_Flash_Check_Routine_Start_Decryption_Verification)
Flash Check Routine: Start Signature Verification (RT_Flash_Check_Routine_Start_Signature_Verification)
Flash Erase Routine: Start Check Value Verification (RT_Flash_Erase_Routine_Start_Check_Value_Verification)
Kodierung sperren: Start (RT_Kodierung_sperren_Start)
Kombi einlernen: Start (RT_Kombi_einlernen_Start)
Lampen-Test Konfig: Start (RT_Lampen_Test_Konfig_Start)
Lampen-Test Konfig: Stopp (RT_Lampen_Test_Konfig_Stopp)
Lampentest alle: Start (RT_Lampentest_alle_Start)
Lampentest alle: Stopp (RT_Lampentest_alle_Stopp)
Menü-Werkseinstellungen setzen: Start (RT_Menue_Werkseinstellungen_setzen_Start)

2. increase Odometer with arbrites



5.9 IC204 from MY2012 to MY2014

Explaination WHY:
The MY2014 have a better control of the light-sensor in the Instrument Cluster and it looks a bit nicer and have 3D instead of 2D Graphics.

Hardware: 2049014802

OLD:
SW1: 2049022803
SW2: 2049023103
SW3: 2049023203
SW4: 2049028303
SW5: 2049028403

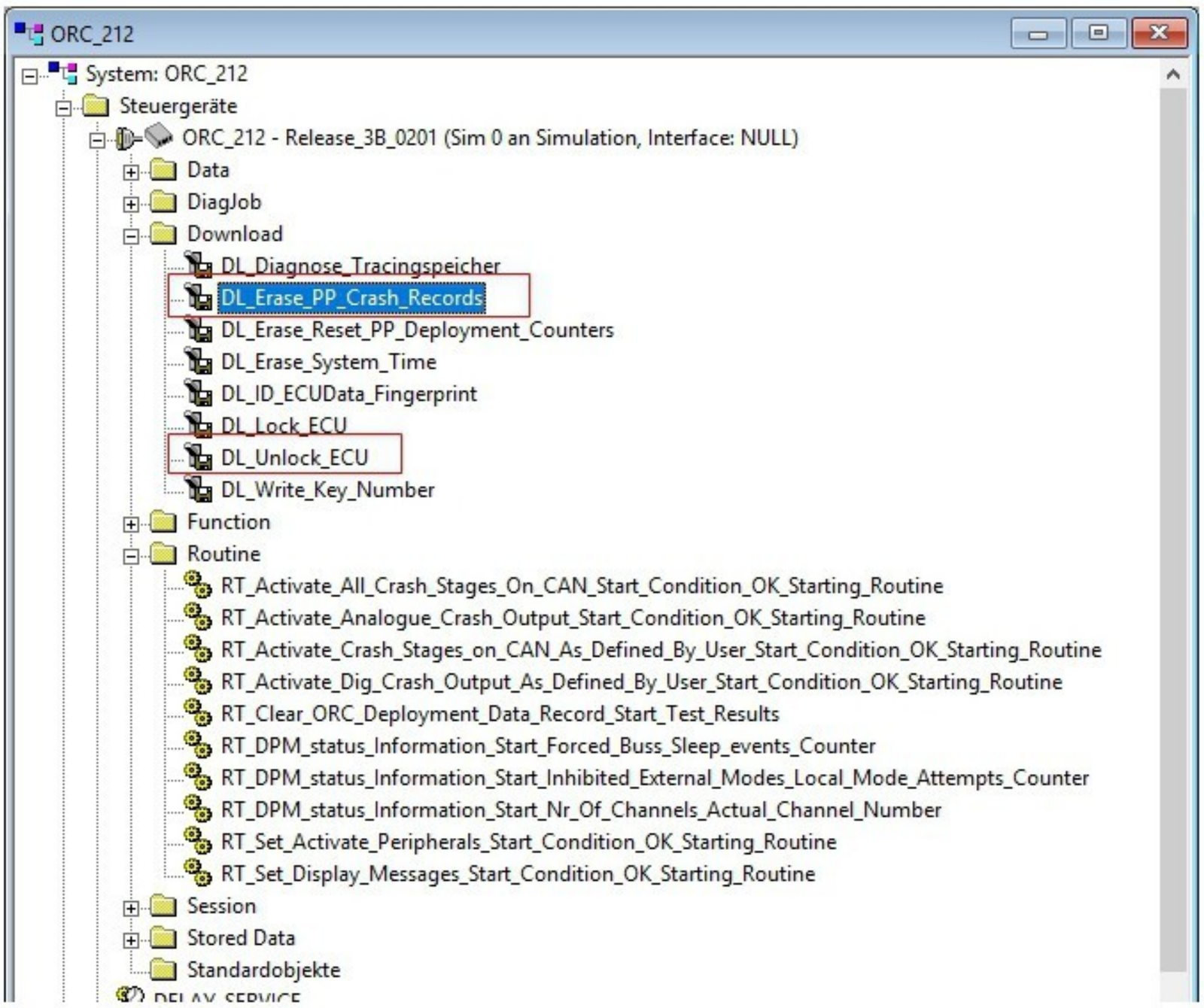
NEW:
2129029706_001.CFF
2129026208_001.CFF
2129026108_001.CFF
2129026808_001.CFF
2049027303_001.CFF

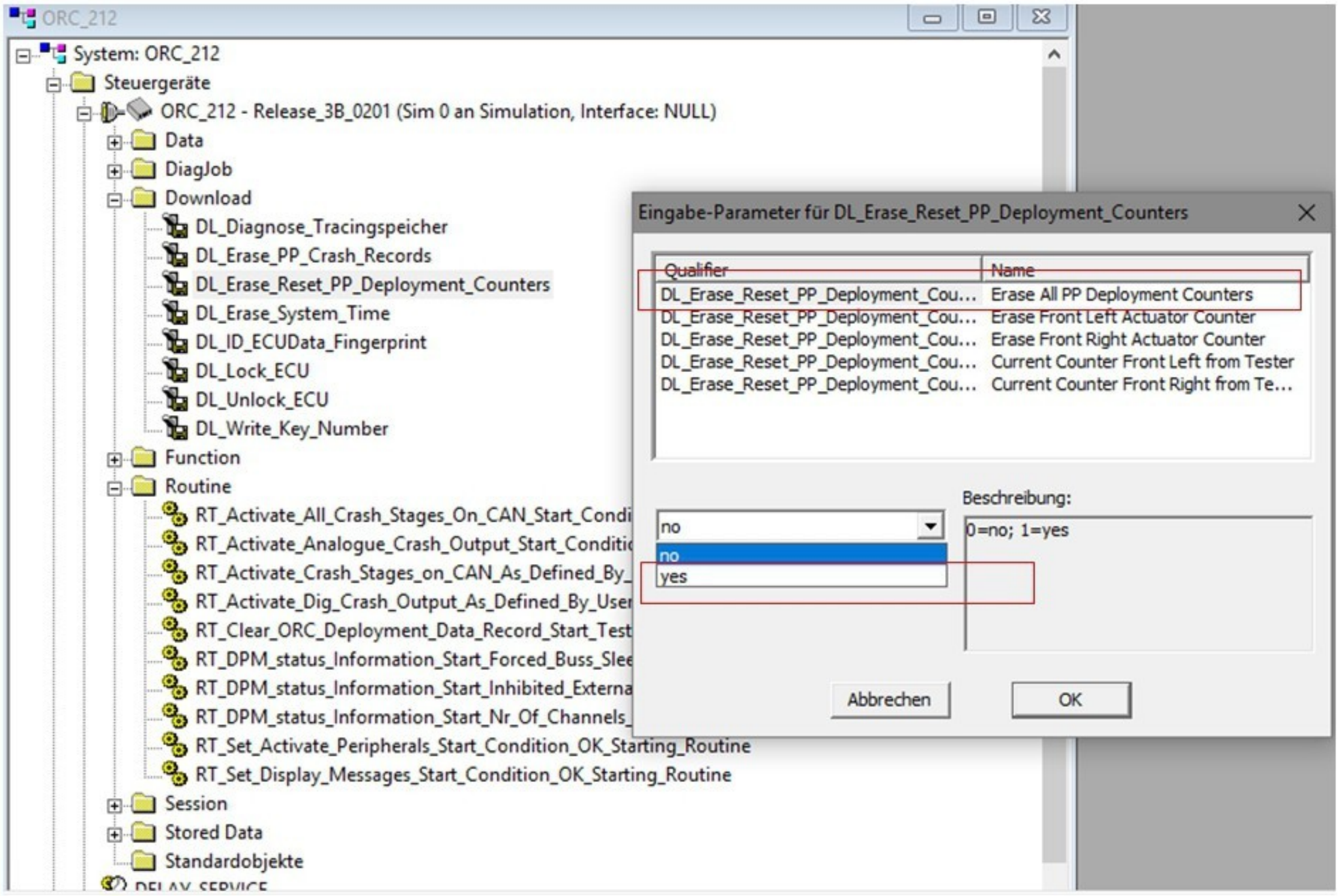
Please have always your old CFF for backup if soemsthing does not go well.
Save the complete variant codings of the IC.
This may work for different IC204 Hardware IDs as well.

5.10 Delete crashevents

These Crash events may be found in certain ECUs.
Mainly it´s known that after a crash the engine does not wants to crank.

Another ECU is the ORC_212
Unlock the ECU.
Don´t forget to lock afterwards the ECU.





5.11 Keyless go IC says Key battery empty

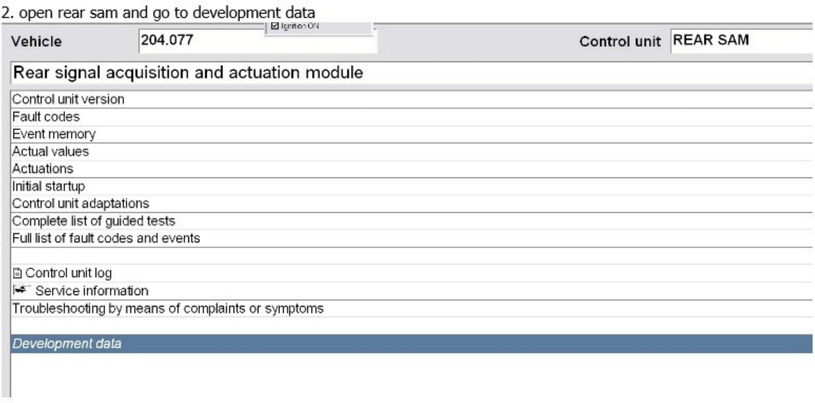
A Software update of the keyless go ECU stops this message.

6.1 Retrofit 204 rear led lights w DAS

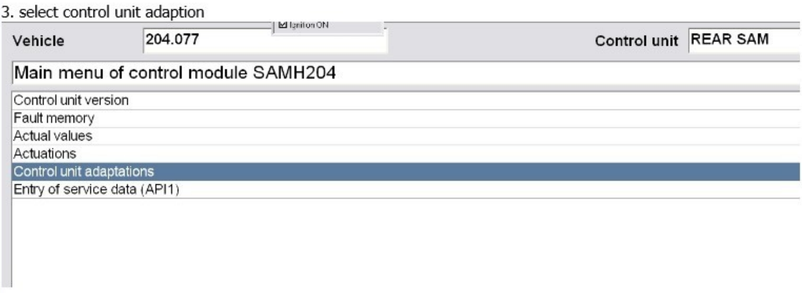
1. Start DAS and do a quick test

AIS - Dimming inside rearview mirror (LIN bus)		- ✓ -
OBF - Upper control panel (LIN bus)		- ✓ -
LDS - Exterior lamp switch (LIN bus)		- ✓ -
WBS - Hazard warning switch (LIN bus)		- ✓ -
REAR SAM - Rear signal acquisition and actuation module	2045454932	- F - i
IRS - Interior motion sensor (LIN bus)		- F -
EDW - Anti-theft alarm system (LIN bus)		- F -
BSN - Battery sensor - On-board electrical system (LIN bus)		- F - i
SCM [MRM] - Steering column module	2045401262	- F - i
AHE - Trailer recognition	2045455032	- ✓ -

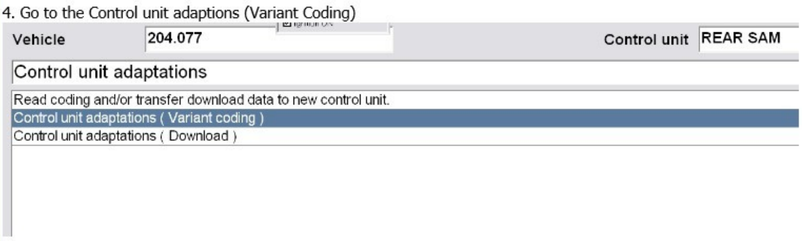
2. open rear sam and go to development data



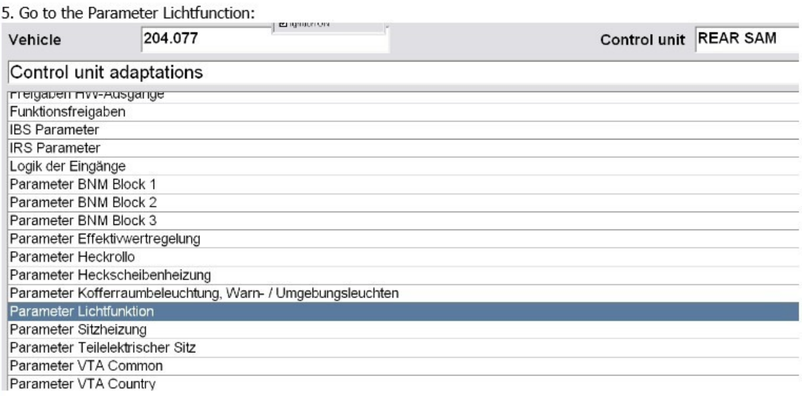
3. select control unit adaption



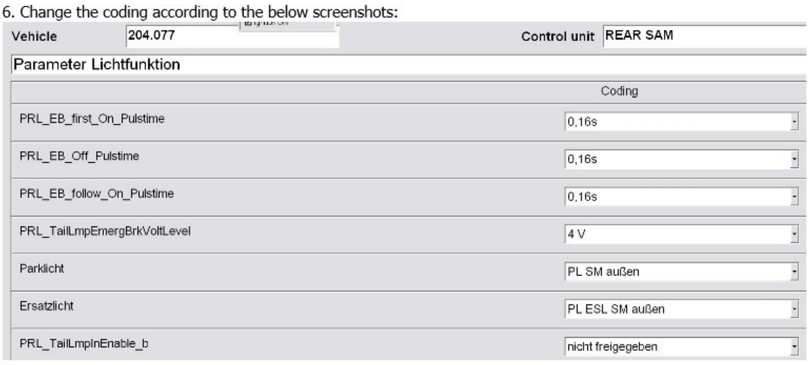
4. Go to the Control unit adaptions (Variant Coding)



5. Go to the Parameter Lichtfunction:



6. Change the coding according to the below screenshots:



Main menu of control module SAM1284

Control unit version
Fault memory
Actual values
Actuations
Control unit adaptations
Entry of service data (API1)

4. Go to the Control unit adaptions (Variant Coding)

Vehicle 204.077 Control unit REAR SAM

Control unit adaptations

Read coding and/or transfer download data to new control unit.
Control unit adaptations (Variant coding)
Control unit adaptations (Download)

5. Go to the Parameter Lichtfunction:

Vehicle 204.077 Control unit REAR SAM

Control unit adaptations

Freigaben HW-Ausgänge
Funktionsfreigaben
IBS Parameter
IRS Parameter
Logik der Eingänge
Parameter BNM Block 1
Parameter BNM Block 2
Parameter BNM Block 3
Parameter Effektivwertregelung
Parameter Heckrollo
Parameter Heckscheibenheizung
Parameter Kofferraumbeleuchtung, Warn- / Umgebungsleuchten
Parameter Lichtfunktion
Parameter Sitzheizung
Parameter Teilelektrischer Sitz
Parameter VTA Common
Parameter VTA Country

6. Change the coding according to the below screenshots:

Vehicle 204.077 Control unit REAR SAM

Parameter Lichtfunktion

	Coding
PRL_EB_first_On_Pulstime	0,16s
PRL_EB_Off_Pulstime	0,16s
PRL_EB_follow_On_Pulstime	0,16s
PRL_TailLmpEmergBrkVoltLevel	4 V
Parklicht	PL SM außen
Ersatzlicht	PL ESL SM außen
PRL_TailLmpInEnable_b	nicht freigegeben

Vehicle 204.077 Control unit REAR SAM

Parameter Lichtfunktion

PRL_TailLmpInEnable_b	nicht freigegeben
PRL_TailLmpOutEnable_b	nicht freigegeben
PRL_FogLmpLftEnable_b	freigegeben
PRL_FogLmpRgtEnable_b	nicht freigegeben
PRL_BackLmpEnableLft_b	freigegeben
PRL_BackLmpEnableRgt_b	freigegeben
PRL_SL_TurnInd_FogLmp_b	ja
PRL_SL_FogLmp_BrkLmp_b	ja

Vehicle 204.077 Control unit REAR SAM

Parameter Lichtfunktion

PRL_BackLmpEnableRgt_b	freigegeben
PRL_SL_TurnInd_FogLmp_b	ja
PRL_SL_FogLmp_BrkLmp_b	ja
PRL_SmLmpInEnable_b	nicht freigegeben
PRL_SmLmpOutEnable_b	freigegeben
PRL_BrkLmpTailLmpLed_b	Bulb
PRL_FogLmpSmLmpLed_b	LED
PRL_TurnIndLmpLed_b	LED

7. Save the config

Vehicle 204.077 Control unit REAR SAM

Parameter Lichtfunktion

Is the coding to be transferred to the control unit?

8. select yes

Vehicle 204.077 Control unit REAR SAM

Parameter Lichtfunktion

The coding has been carried out.

Now shut down DAS, shut down the car and lock it, now start the car again and everything should be working correctly.

6.2 W211 Retrofit Antitheft option - EDW - DAS

1. ZGW -> Entwicklungsdaten -> Steuergeräte-Anpassungen -> Variantencodierung -> Global -> Steuergerät Reset
2. Funktionsprüfung
3. SAM-H -> Entwicklungsdaten -> Steuergeräte-Anpassungen -> Variantencodierung -> VCD_EDW_Para_Block1

do the needed variant coding

Pitch sensor B33 and horn H3 needs to be installed as well.

ZGW/CGW coding

DAS Deutsch — FIN : WDB2112161A31

Fahrzeug	211.216	Steuergerät	ZGW

Globale Variantencodierung

SA: Scheibenwaschbehälter (C875)	vorhanden
SA: Komplettes Ersatzlicht	erlaubt
SA: Keyless Go (C889)	nicht vorhanden
SA: Innenraumschutz (C882)	nicht vorhanden
SA: Diebstahlwarnanlage (C551)	vorhanden
SA: Heckrollo (C540)	nicht vorhanden
SA: Anhängerkupplung (C550)	vorhanden

SAM-H before coding

Fahrzeug	211.216	Steuergerät	SAM-FO

VCD_EDW_Para_Block1

Innenraumschutz	zulassen
Nebelleuchten	nicht zulassen
Abblendlicht	nicht zulassen
Schlußlicht	nicht zulassen
Blinklicht links und rechts	zulassen
Innenlichtansteuerung	zulassen
IRS deaktivieren bei DBE-Regenschliessung	deaktivieren

SAM-H after coding

Fahrzeug	211.216	Steuergerät	SAM-FO

VCD_EDW_Para_Block1

Abschleppschutz	zulassen
Innenraumschutz	zulassen
Nebelleuchten	zulassen
Abblendlicht	nicht zulassen
Schlußlicht	zulassen
Blinklicht links und rechts	zulassen
Innenlichtansteuerung	zulassen

6.3 W169 / W 245 Speedlimiter

To install the software in your vehicle you need Vediamo.
Connect with Vediamo first to your Ecu "Ki".
You will find it in your database, w169, cbf folder.
Here you have to activate the "limiter". Now press coding.
Then pick up the ECU Sim266 and connect. Sim266 is also in
your database, w169, cbf folder. Now you first have to activate
variant encoding. You will find it in the task bar under "Services".
Encoding is not possible before not activating variant coding.
Then select Variant encoding. Select implicit encoding in the tab.
Activate under cruise control/limiter "int. VGB and temp on",
and encode the control unit.

6.4 W205 - Retrofit full led taillights

ECU: BC_R222

Group/Dienste: OLC Bremslicht Write
PLSM_HW_BL3_links = on
PLSM_Ueff_BL3 = 12.0
PLSM_Ueff_BL3_Nacht_Adapt = 12.0
PLSM_Ueff_BL3_Nacht = 12.0

Group/Dienste: OLC Bremslicht HW Schreiben
Freigabe_BSL3_BL_re = on
Freigabe_BSL3_BL_li = on

To activate second brake light in taillights.
Group/Dienste: OLC *** HW Write/Schreiben (*** - different lights)
LED = enable
Group/Dienste: OLC *** Write/Schreiben (*** - different lights)
Ueff = 12.0 (maybe you need higher voltage, but this is safe)

6.5 W176 folding mirrors

ECU: EZS166
ECU: IC172

To coding retrofit electric folding mirror and add the activation menu
in your car computer on your W176 (A-Class 2015):
Here the 2 ECUs to coding in Vediamo:
-EZS166 to activate the folding option #
(VCD_Globale_Variantenkodierung\500 Spiegelanklappung(1)
nicht verfügbar--->verfügbar)
-IC172 to activate the activation menu to auto folding your mirrors
when you're locking or unlocking your car (VCD_06_Menueaktivierung\Spiegel
anklappen bei Verriegelung (Menu_Mirror_Folding)
nicht vorhanden--->vorhanden)

6.6. 205 Keyless Go entry

works like this just with the 205
Keyless Go entry is the low version of the Keyless System, which gives the possibility to start the engine without the key in the ignition switch. The engine is started by a button. A antenna inside the car recognizes the key and unlocks the button.

Needed parts:
1 x A 212 900 97 29 (ECU Keyless Go)
2 x A 205 905 30 05 (antenna)
2 x A 000 990 36 62 (screw for trunk antenna)
1 x A 221 545 07 14 (Keyless Start Button)
1x new key (or even two)

these parts cost about ca 1500,-€

The keyless go entry needs then to be coded in the EZS, IC maybe engine ecu.

This does not have been explained in detail.

6.7 SLA-GLA-TSA Speedlimit assist for certain carlines - Possible? what is needed?

Explainations:

- Since 2009 the speedlimitasistant was integrated quiet rudimental.
  He does regonize the speedlimits but not the clearing speedlimits.
  This function has been given by a software update. And some additionalo signs are recognizted as well.
- Later this system has been upgraded to the TSA (Traffic Sign assist).
  This system recognized "do not overtake" signs and oneway signs.

Both systems work similar.
After two km the limit is deleted if it is not repeated

Now a small abstract:
Requirement is the cam in the windshield.
But not every cam works.
For example the nightvision cam is not suitable
The multifunctioncam does 3 fucntions
The Stereocam has even more functions

A basic variant is the ILS and IHC.
This cam is not able to recognize signs.
This cam just regulates the full beam

The premium variant doe the IHC and the SLA or TSA and lane assist
Just cars with a lane assist may have activated the Sign recognizion by coding

All other need to have some options changed.

Some details:
The sign recognition was available with the production beginning off the W212 and W221/W216.

Requirements for the carlines:
212/207/218/166/176/246/172/231/292/117/156:
Lane asstist Code 238/476
Comand Code 512/527

Newer carlines do not need anymore the command.
205/253/222/217/213/238:
Lane astsist or Drivers assistance plus Code 238/476/233/238

The signs are shown in the HUD as well of course:

And now a list of the not so cheap retrofits cause a hardware change need to be done:
212/207/218/166/176/246/172/231/292/117/156:
Lane assist Code 238/476
Comand needs to be retrofited.

212/207/218/166/176/246/172/231/292/117/156:
IHC Code 608
Comand Code 512/527
Change of cam

212/207/218/166/176/246/172/231/292/117/156:
without IHC Code 608 oder lane assist Code 238/476
cam needs to be retrofitted together with a chnage of the windshield and some wiring
Comand still needed.

205/253/222/217/213/238:
IHC Code 608
cam change

205/253/222/217/213/238:
without IHC Code 608 oder lane assist/driver assistance Plus
Code 238/476/233/238
cam needs to be retrofitted togetehr with new windshield and wiring

6.7.1 Coding - still not complete

needs coding in

- cgw
- comand
- ic
- sometimes camera unit
- at the end camera calibration

Note (for w205 and maybe other):
If you have coded the TSA/SLA in C-Class 205, sometimes, you must drive for about 500 Meters. After that, it should work.
Before the ride may have error message in IC

ECU:IC
Activation of TSA in HUD
Menu_HUD_TripComputer_TSA change to available

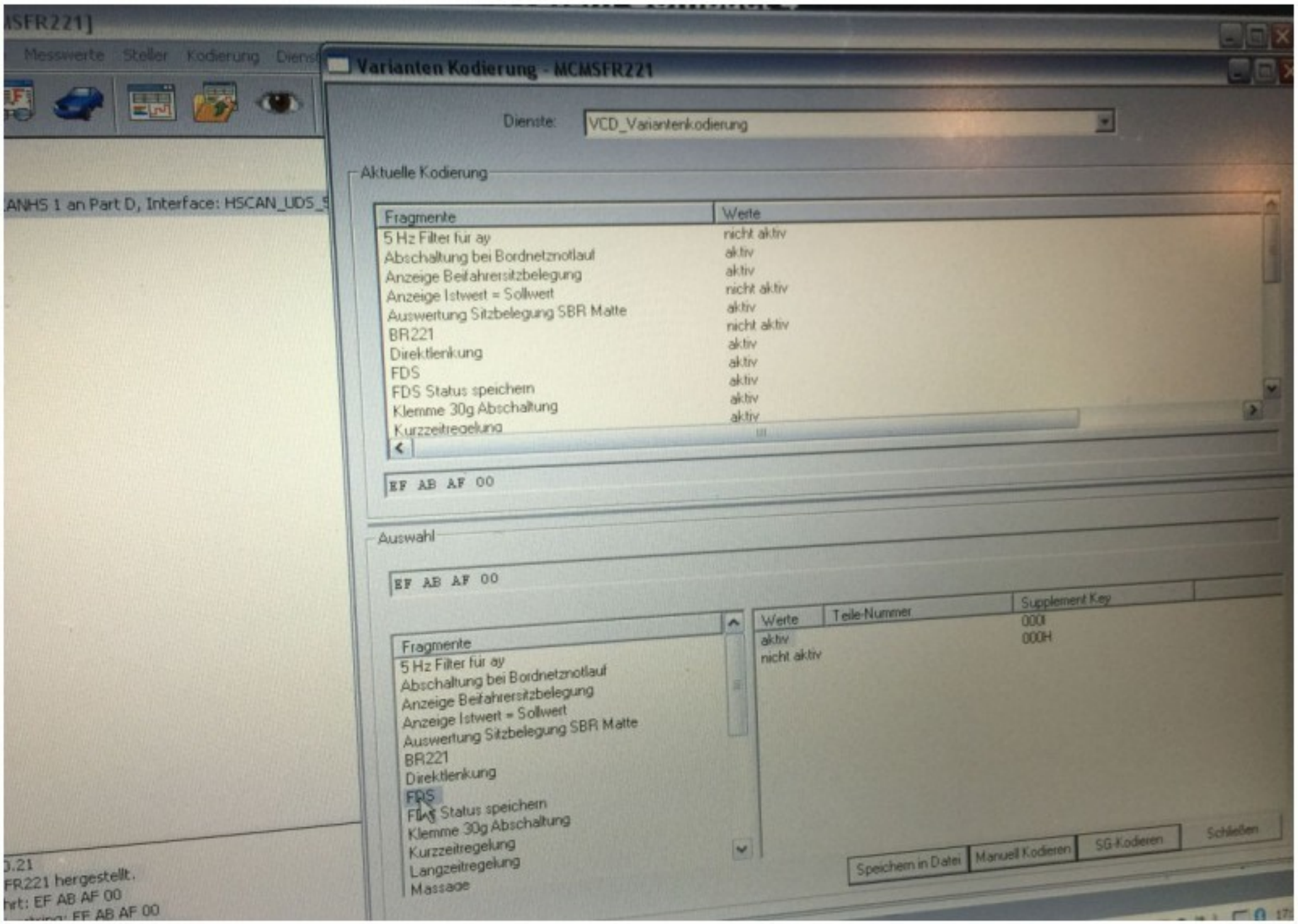
6.8 Activation of drive dynamic seats R231, W212

```
ECU: MCMSFR221 / MCMSFL_212
Group: VCD_Variantencodierung

change FDS to active

and

change FDS Status speichern to active
```



6.9 Rear facelift lights - A207, C207, W212, S212

RHS:
Pin 1 - brown
Pin2 - yellow/magenta
Pin 3 - blue/green
Pin 4 - blue/white
Pin5 - blue/orange

LHS:
Pin 1 - brown
Pin2 - yellow/pink
Pin 3 - gray/blue
Pin 4 - green/white
Pin5 - green

SamR connector 6HD changes:
yellow/pink - to Pin14
green - to Pin 9
yellow/magenta - to Pin 24
blue/orange - to Pin 10

At the end SAMR coding to facelift needed.

6.10 Rear Camera - W205, S205, W222, W447 and X253

Partnumber	Partname	price wo tax [€]
A2229052206	camera	446,51
A2227500893	handle	88,40
A2229000905	ECU	78,80
A2055402234	wiring	57,20
A0525451230	connector 1	4,96
A0015454840	connector 2	1,44

CANbus needs to be added to connect the camera