

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 !

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1. Vediamo - Basic knowledge - Part ONE

1.0 Getting started

First you need to have a good set of ECU databases as files 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 described 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

1.1.1.2 Explanations 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 Explanations 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

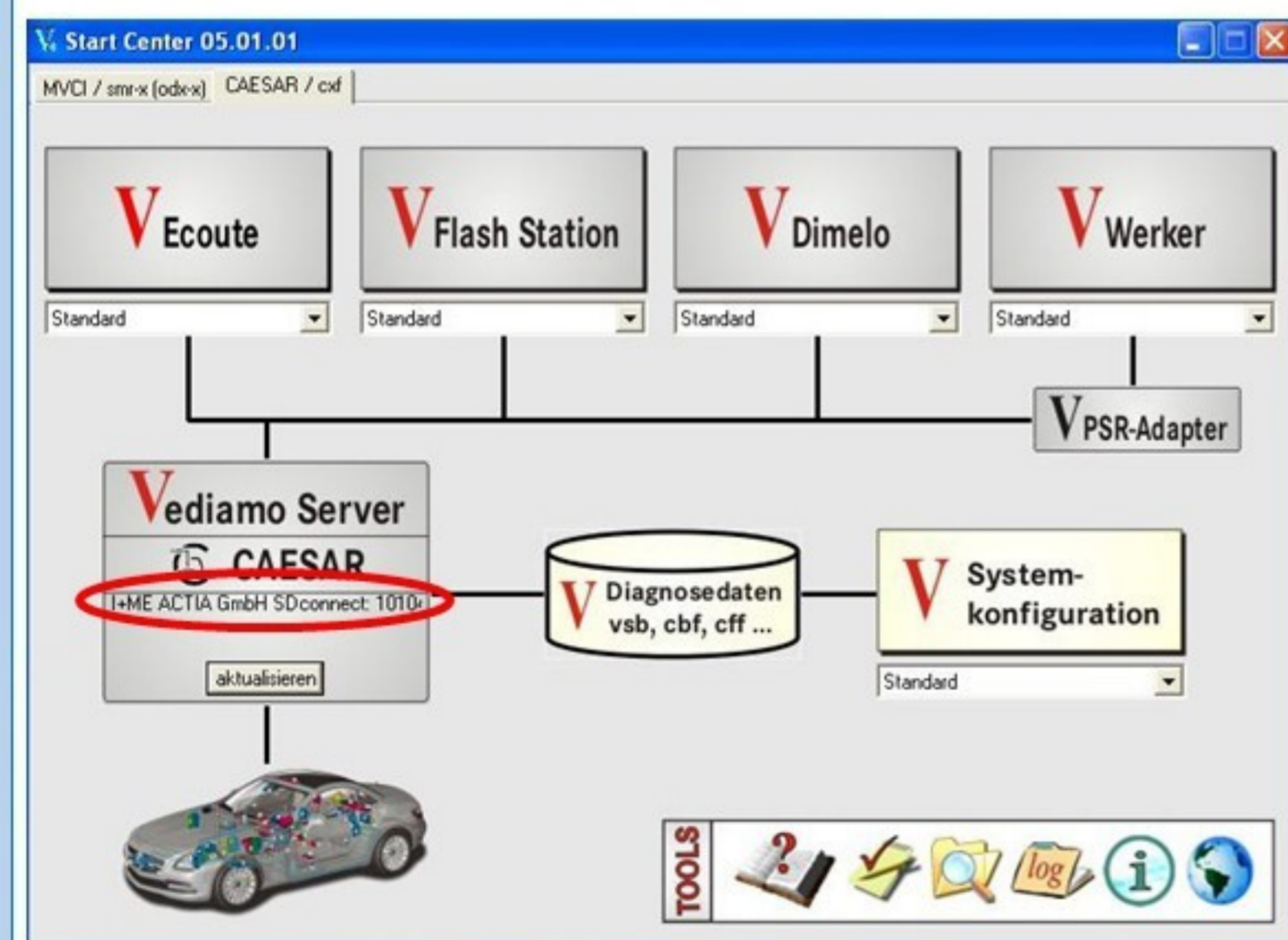
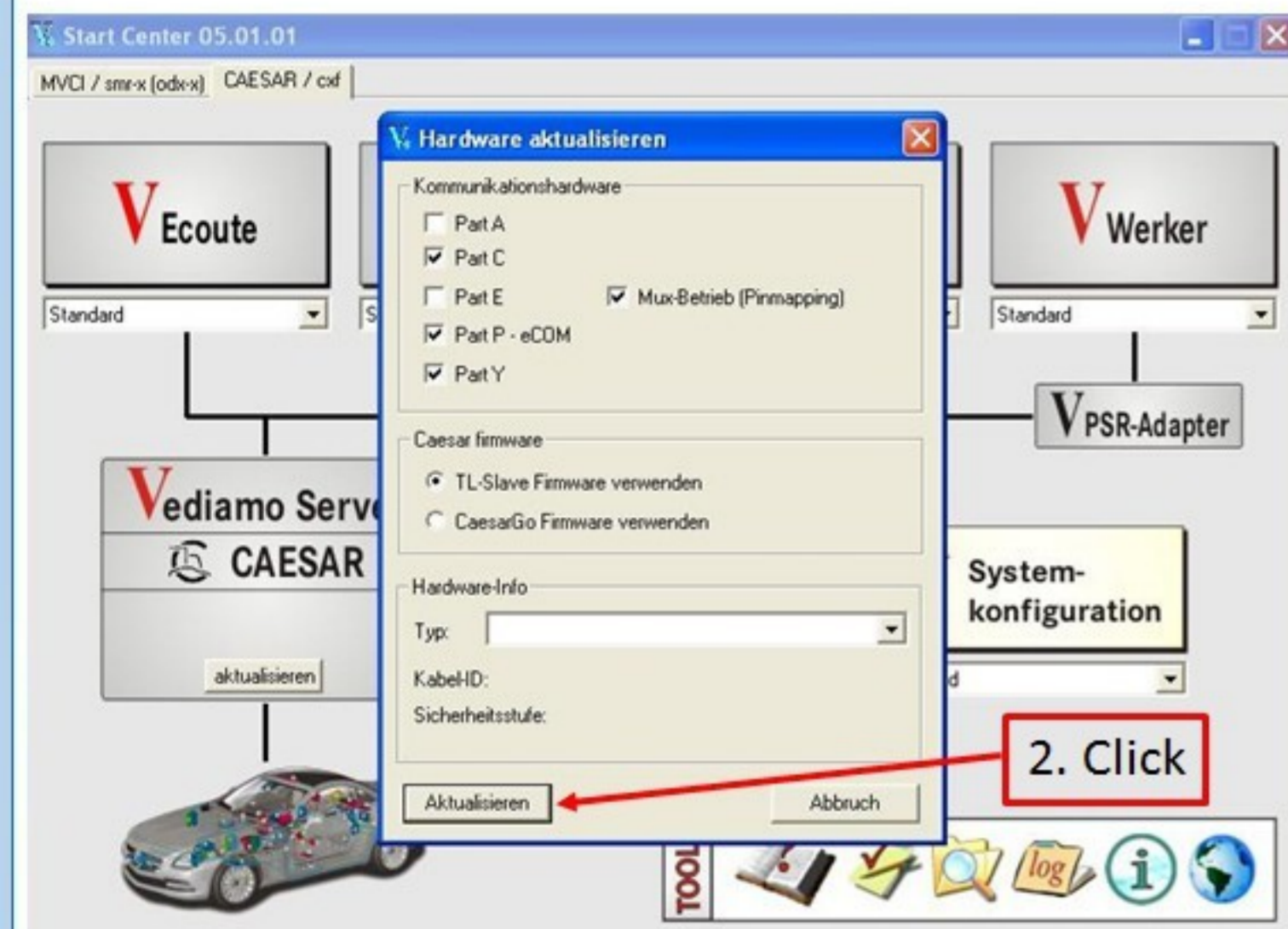
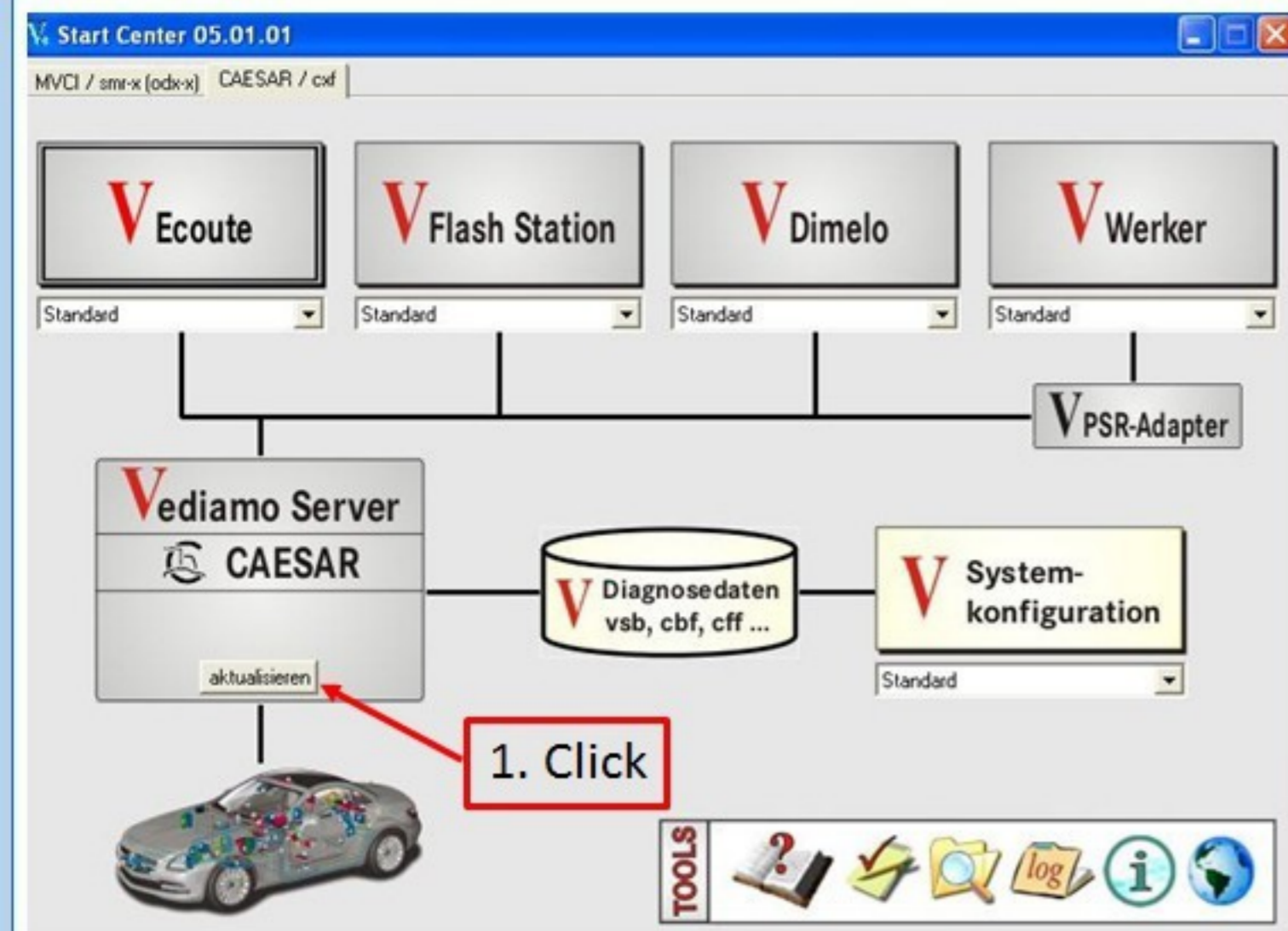
Instrument Cluster ECU:
IC

Windshield HUD ECU:
HUD

Rear view camera ECU:
RVC

Seat Belt ECU:
RBTM

1.2 SD Connect C4 usage



The notification should appear after the update.

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



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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

The screenshot shows the VGSNAG2 software interface. The main window is titled 'Varianten Kodierung - VGSNAG2'. The 'Dienste' field contains 'VCD_Entwicklung_Variantencodierung_VGS_73'. Below this is a table for 'Aktuelle Kodierung' with columns 'Fragmente' and 'Werte'. The 'Auswahl' section shows a list of fragments: 'Checksum', 'FingerPrint_1', 'FingerPrint_2', 'FingerPrint_3', 'FingerPrint_4', 'fbl8_variante.baureihe_p', 'fbl8_variante.i_ha_p', and 'fbl8_variante.i.un.nkt.n'. A search input field 'Geben Sie einen Wert ein:' is present. At the bottom, there are buttons for 'Speichern in Datei', 'Manuell Kodieren', 'SG-Kodieren', and 'Schließen'. A dialog box 'Speichern in Datei' is open, showing fields for 'Name:', 'Firma:', 'Telefon:', 'Abteilung:', and 'Fahrzeug-Nr:'. The 'Snapshotdatei' field contains 'L:\VSG_S212\VGSNAG2\2017-07-19_Coding.html'. The 'OK' button is highlighted with a red circle and the number 4. The '...' button is highlighted with a red circle and the number 3. The 'Speichern in Datei' button in the main window is highlighted with a red circle and the number 2. The 'Abläufe' menu icon in the top toolbar is highlighted with a red circle and the number 1. The status bar at the bottom shows log messages: '20:44:38 Fensterinhalt Speichern durchgeführt.', '20:44:42 Der Kodierstring kann nicht ausgelesen werden. Ist das Steuergerät entriegelt?', and '20:45:01 Fensterinhalt Speichern durchgeführt.'

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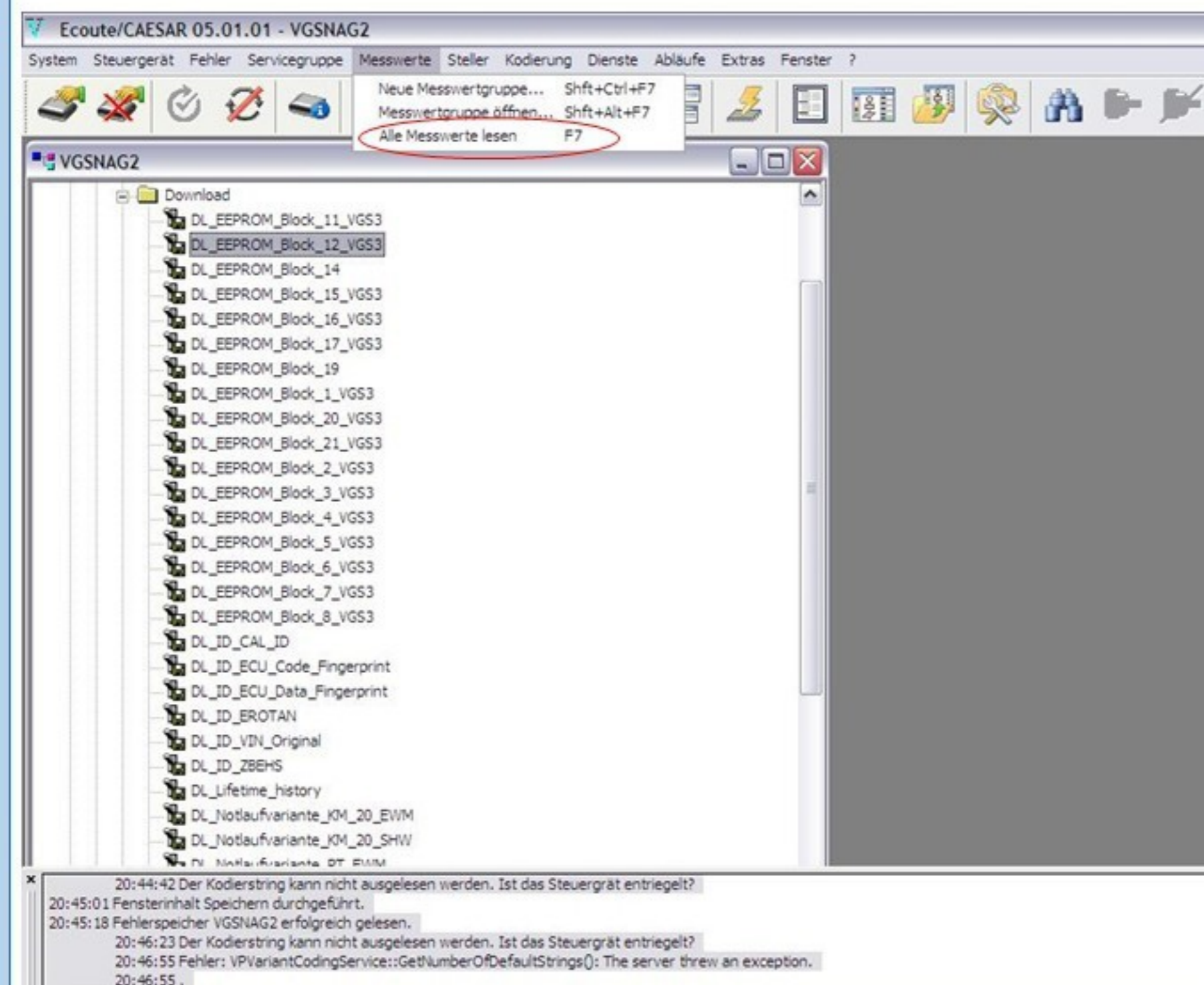
1.5.2 Backup variant coding

click at Button 1
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 Click at Button 4

The screenshot shows the VGSNAG2 software interface. The main window is titled 'Varianten Kodierung - VGSNAG2'. The 'Dienste' field contains 'VCD_Entwicklung_Variantencodierung_VGS_73'. Below this, there is a table for 'Aktuelle Kodierung' with columns 'Fragmente' and 'Werte'. The 'Auswahl' section shows a list of fragments: 'Checksum', 'FingerPrint_1', 'FingerPrint_2', 'FingerPrint_3', 'FingerPrint_4', 'fbl8_variante.baureihe_p', 'fbl8_variante.i_ha_p', and 'fbl8_variante.i.un.nkt.n'. A search input field 'Geben Sie einen Wert ein:' is present. At the bottom, there are buttons for 'Speichern in Datei', 'Manuell Kodieren', 'SG-Kodieren', and 'Schließen'. A dialog box titled 'Speichern in Datei' is open, showing fields for 'Name:', 'Firma:', 'Telefon:', 'Abteilung:', and 'Fahrzeug-Nr:'. The 'Snapshotdatei:' field contains 'L:\VSG_S212\VGSNAG2\2017-07-19_Coding.html'. The 'OK' button is highlighted with a red circle and the number 4. The '...' button is highlighted with a red circle and the number 3. The 'Speichern in Datei' button in the main window is highlighted with a red circle and the number 2. The 'Abläufe' menu icon in the top toolbar is highlighted with a red circle and the number 1. The status bar at the bottom shows a log of events: '20:44:38 Fensterinhalt Speichern durchgeführt.', '20:44:42 Der Kodierstring kann nicht ausgelesen werden. Ist das Steuergerät entriegelt?', and '20:45:01 Fensterinhalt Speichern durchgeführt.'

1.5.3 Backup Measurement and calibration data

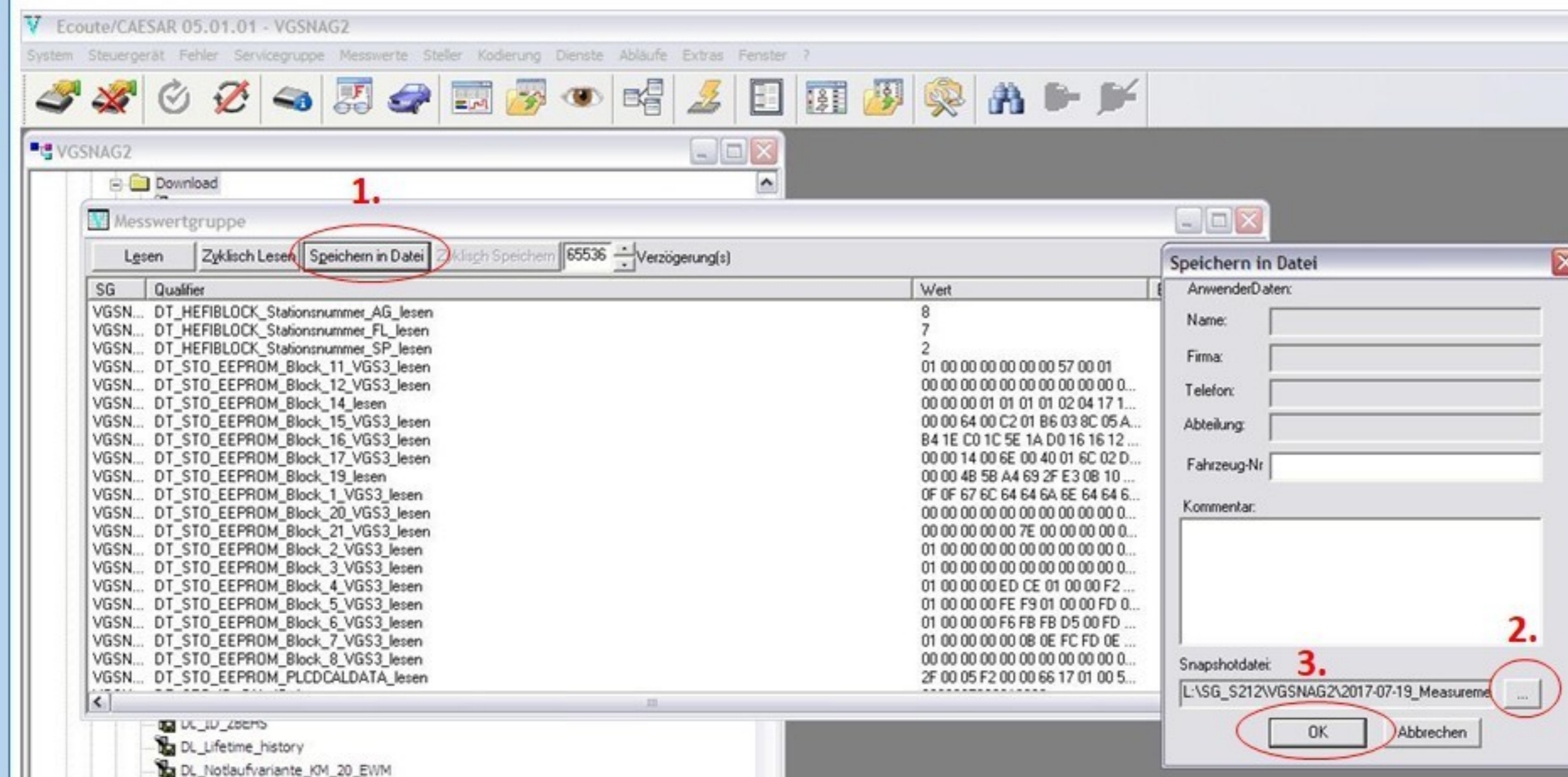
click at "alle Messwerte lesen"



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 Measurement/Calibration data

1.6.1 Restore variant codings by copy & paste

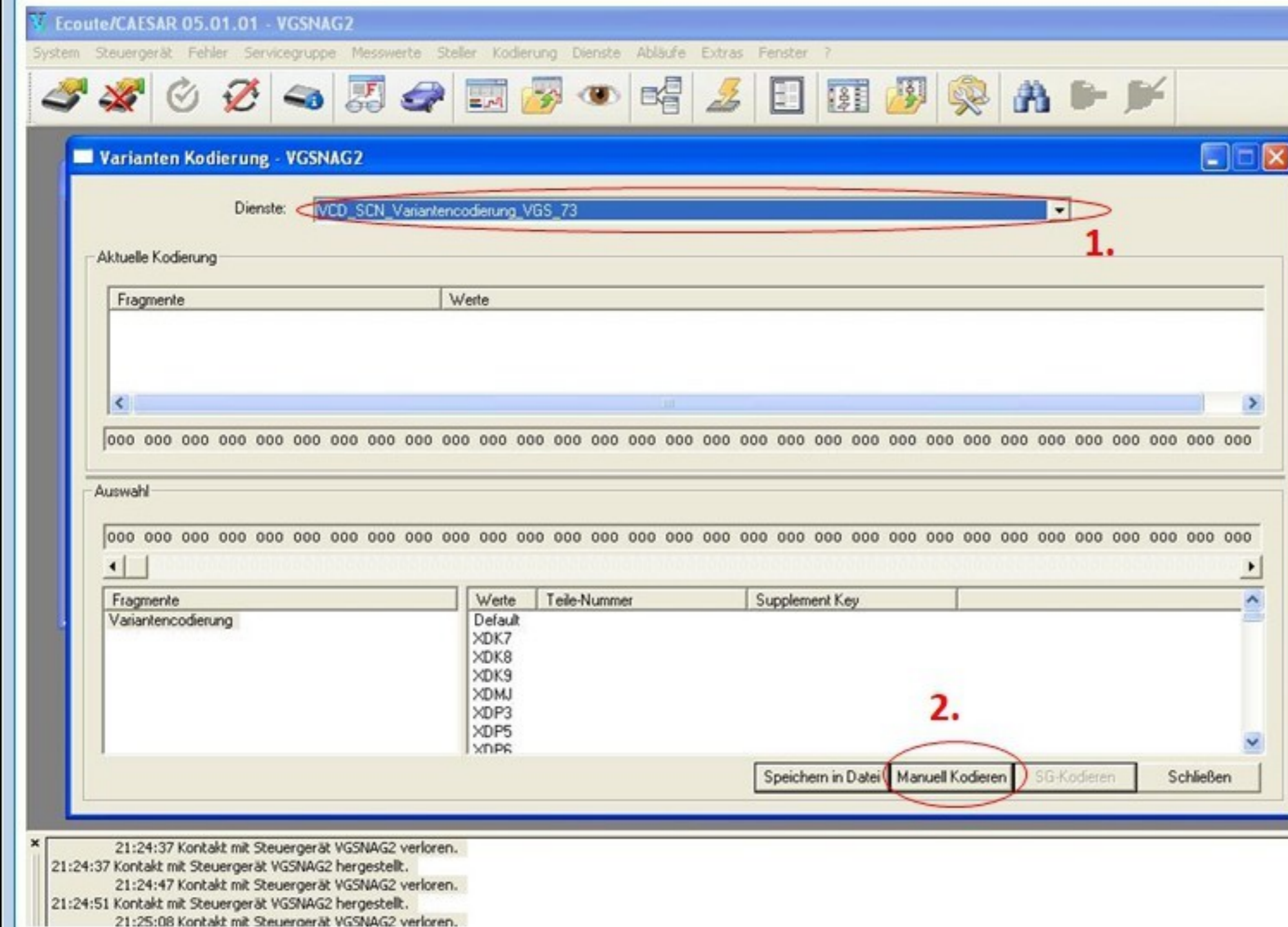
Unlock ECU.

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)

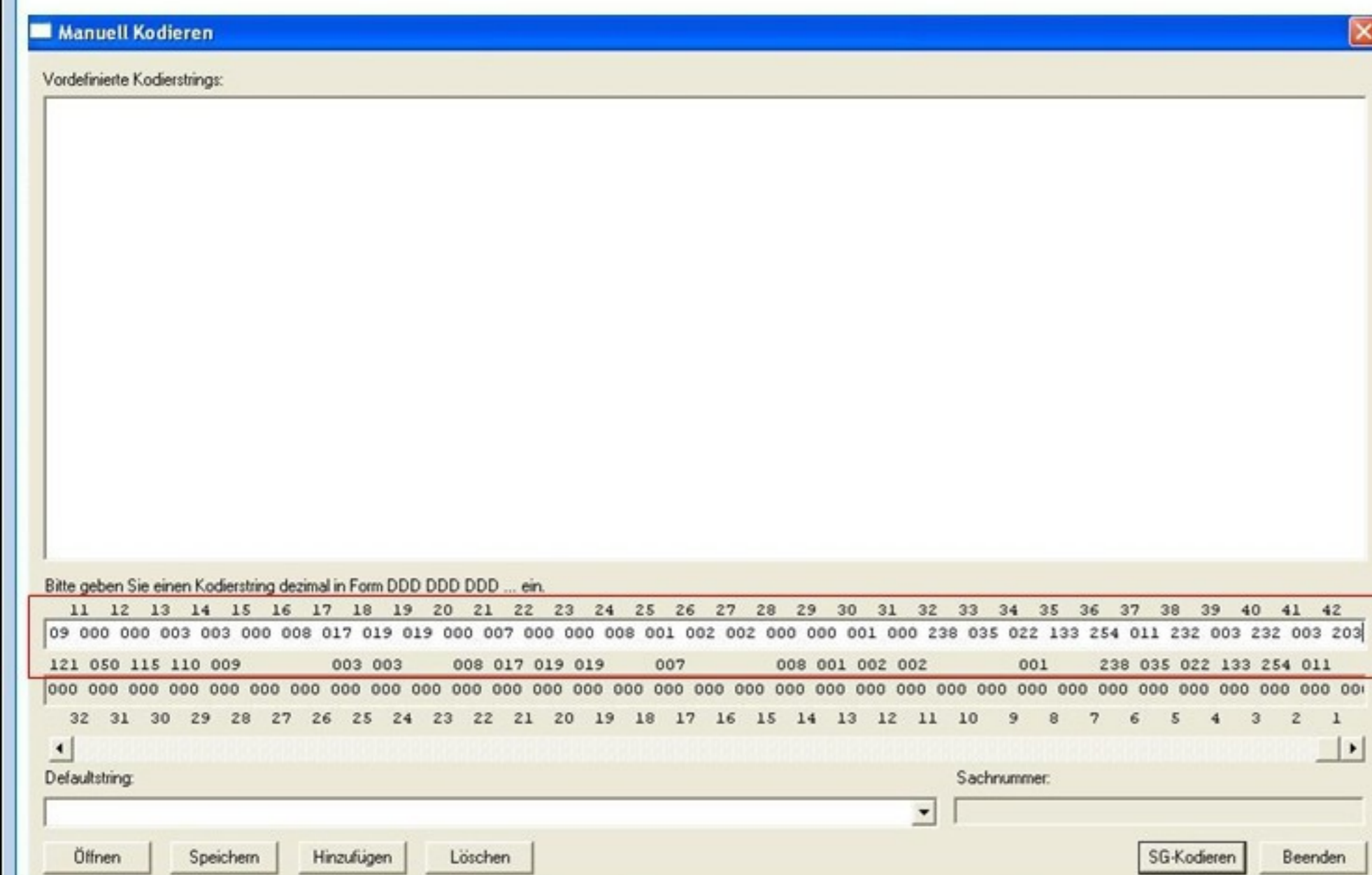
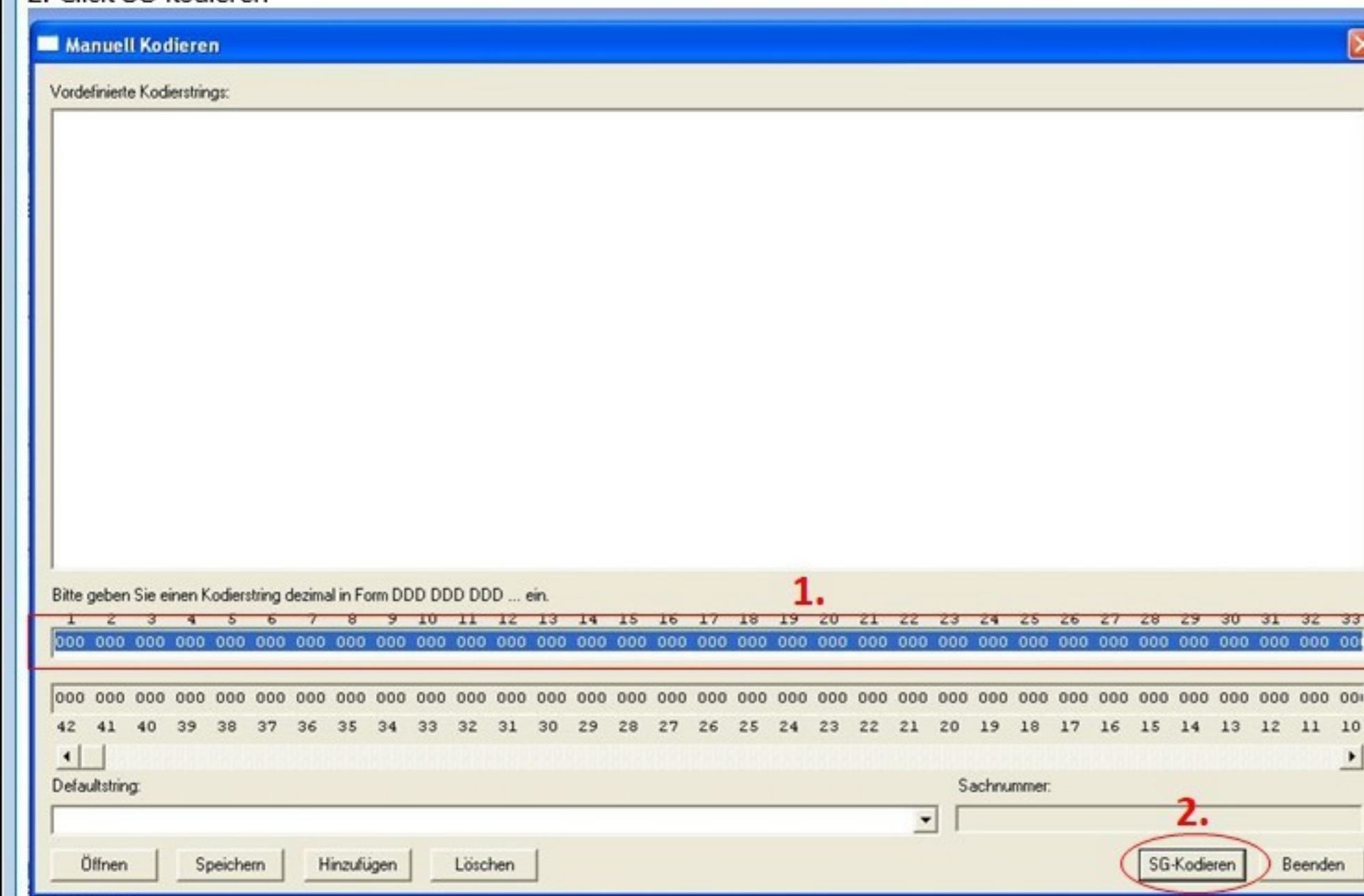
Kodierdienst: 2.VCD_SCN_Variantencodierung_VGS_73

Fragmente	Werte
Variantencodierung	Y2SN
Kodierstring	121 050 115 110 009 000 000 003 003 000 008 017 019 019 000 007 000 000 008 001 002 002 000 000 001 000 238 035 022 133 254 011 232 003
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 (CTRL+V or STRG+V)
2. Click SG-kodieren



Like always perform a hardreset if available.

1.7 Seed key explanations

Explanation:

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 explanations of chapter 1.10.2 because 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>

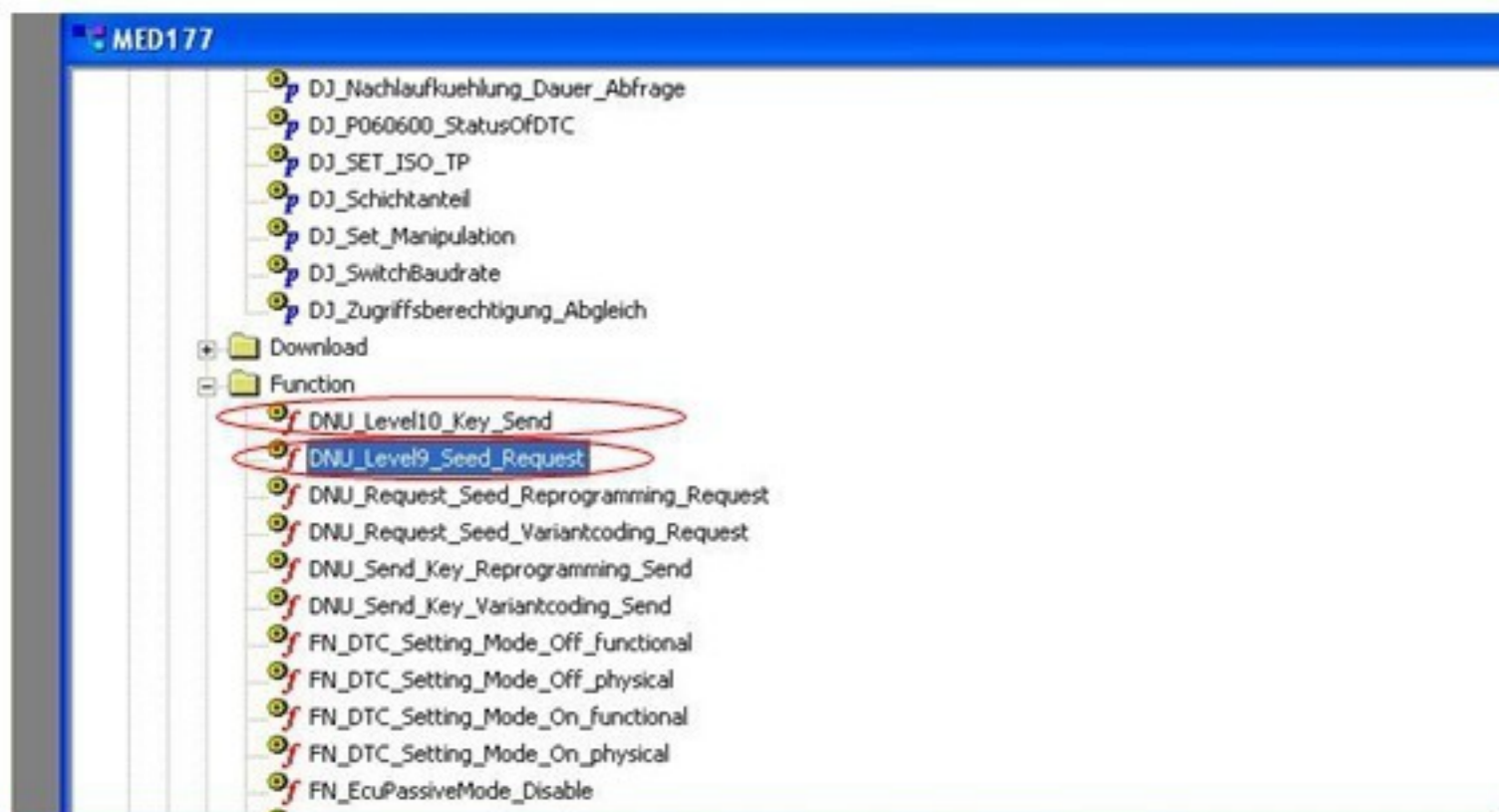
Another possibility to unlock without seed key but with SCN online:

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

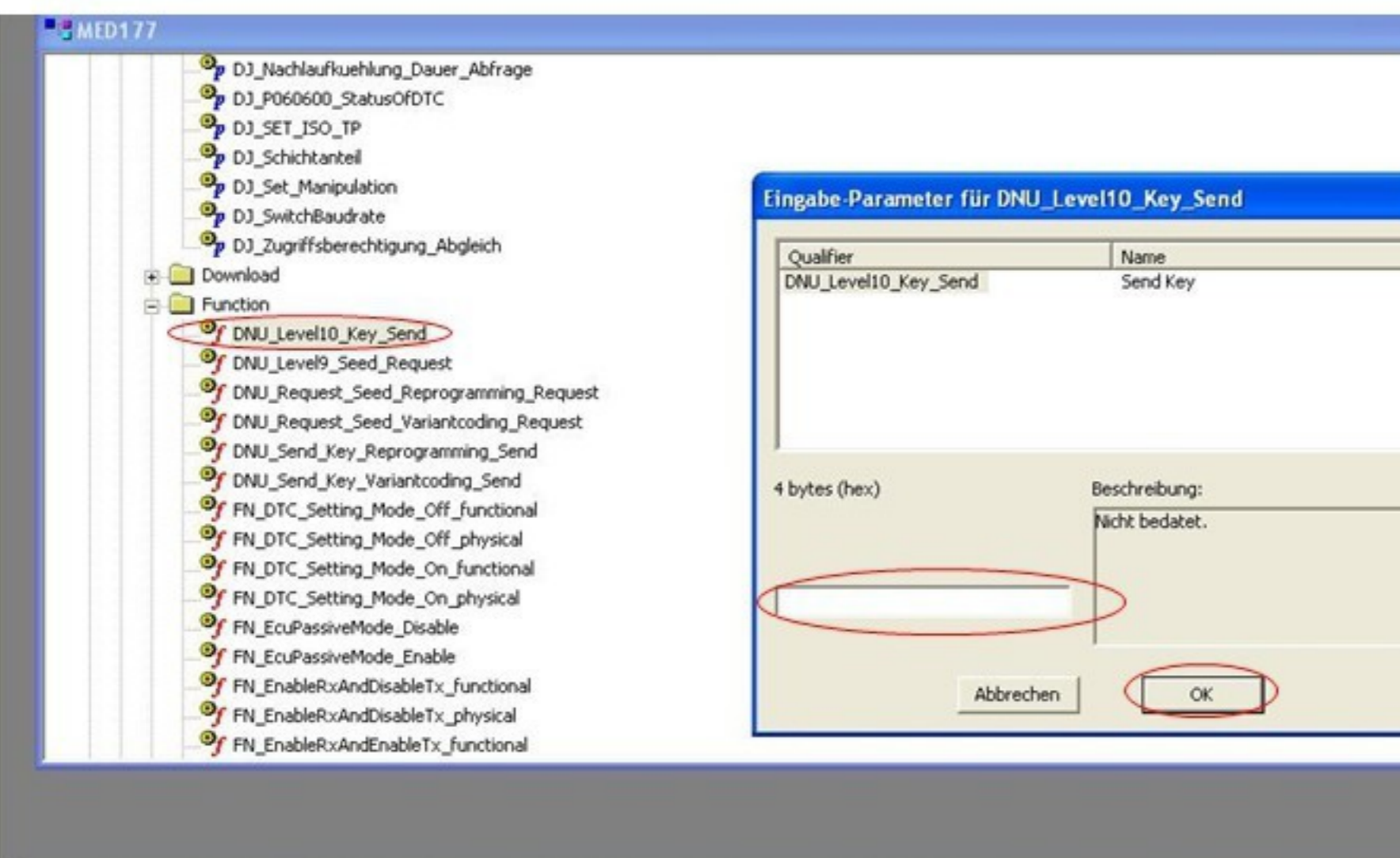
doubleclick at DNU_Level9_Seed_request
Then note the seed numbers shown in the field
and ask somebody who may calculate you the key.



Seed key number will be shown in this field
Key acceptance number will be shown after typing in
the key here as well

```
20:03:41 Fehler: Service DT_Stoppverbot_Verursacher_Keine_Diagnosen_in_Motorsteuerung_aktiv nicht gefunden.
20:03:41 Fehler: Service DT_Stoppverbot_Verursacher_Keine_Startanforderung_aus_motorischer_Sicht nicht gefunden.
20:05:05 Dienst MED177::DNU_Send_Key_Variantcoding_Send: Setzen des Parameters fehlgeschlagen. Dienst wird nicht ausgeführt.
20:05:07 Dienst MED177::DNU_Request_Seed_Variantcoding_Request. Ergebnis: ?
20:05:11 Dienst MED177::DNU_Request_Seed_Reprogramming_Request. Ergebnis: ?
20:05:42 Dienst MED177::DNU_Level9_Seed_Request. Ergebnis: ?
```

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



```
20:03:41 Fehler: Service DT_Stoppverbot_Verursacher_Keine_Diagnosen_in_Motorsteuerung_aktiv nicht gefunden.
20:03:41 Fehler: Service DT_Stoppverbot_Verursacher_Keine_Startanforderung_aus_motorischer_Sicht nicht gefunden.
20:05:05 Dienst MED177::DNU_Send_Key_Variantcoding_Send: Setzen des Parameters fehlgeschlagen. Dienst wird nicht ausgeführt.
20:05:07 Dienst MED177::DNU_Request_Seed_Variantcoding_Request. Ergebnis: ?
20:05:11 Dienst MED177::DNU_Request_Seed_Reprogramming_Request. Ergebnis: ?
20:05:42 Dienst MED177::DNU_Level9_Seed_Request. Ergebnis: ?
```

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
- remaining 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
- remaining 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

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)

Illumination:

- activation outside surrounding 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 generation 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



Pre-Facelift:

Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- remaining 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
- remaining 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
- remaining 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
- remaining 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 warning 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 performance 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 W219 W209

W211/S211



W219



W209 (pre facelift / facelift)



Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- remaining 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
- remaining 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 enlightment of street at turning area (since 2005)



Instrument cluster:

- deactivation of seatbelt warning
- remaining fuel
- AMG Menu
- Firmware update to new design Papyrus

Comand NTG 4 and Audio 20:

- turn off time after ignition off
- Firmware update from 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:

- acoustic 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:

- acoustic 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:

- acoustic 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:

- acoustic 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:

- acoustic 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:

- acoustic 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 (station 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, UHI
- reset of Regional Code

APS50

- turn off time after ignition off

EDW / alarm system by software

Rear lights (station 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:

- acoustic 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, UHII
- 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:

- acoustic 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, UHII
- 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:

- acoustic 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
- remaining fuel in liter than in percentage (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 performance 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:

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



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:

- acoustic 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:

- acoustic 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
- Firmware update
- adaption of UHI
- activation of rear cam

AMG:

- Vmax change

PTC/Parktronic:

- Change of volume and frequency

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 generation 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
- remaining 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 warning by ESP

AMG:

- Vmax change

Facelift with NTG 3.5

Instrument cluster:

- Seatbelt warning deactivation
- remaining range
- Firmware update
- remaining 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 warning 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



Pre facelift:

Instrument cluster:

- deactivation of seatbelt warning
- remaining range
- remaining fuel in liter than in percentage (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 performance 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 together 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-Stop 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 performance 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 together 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
- remaining 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
- adaptation 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
- remaining fuel
- seatbelt pictogram
- digital date and clock

Aircondition:

- ventilation bars
- max cool pictogram
- Hot country

Command, 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

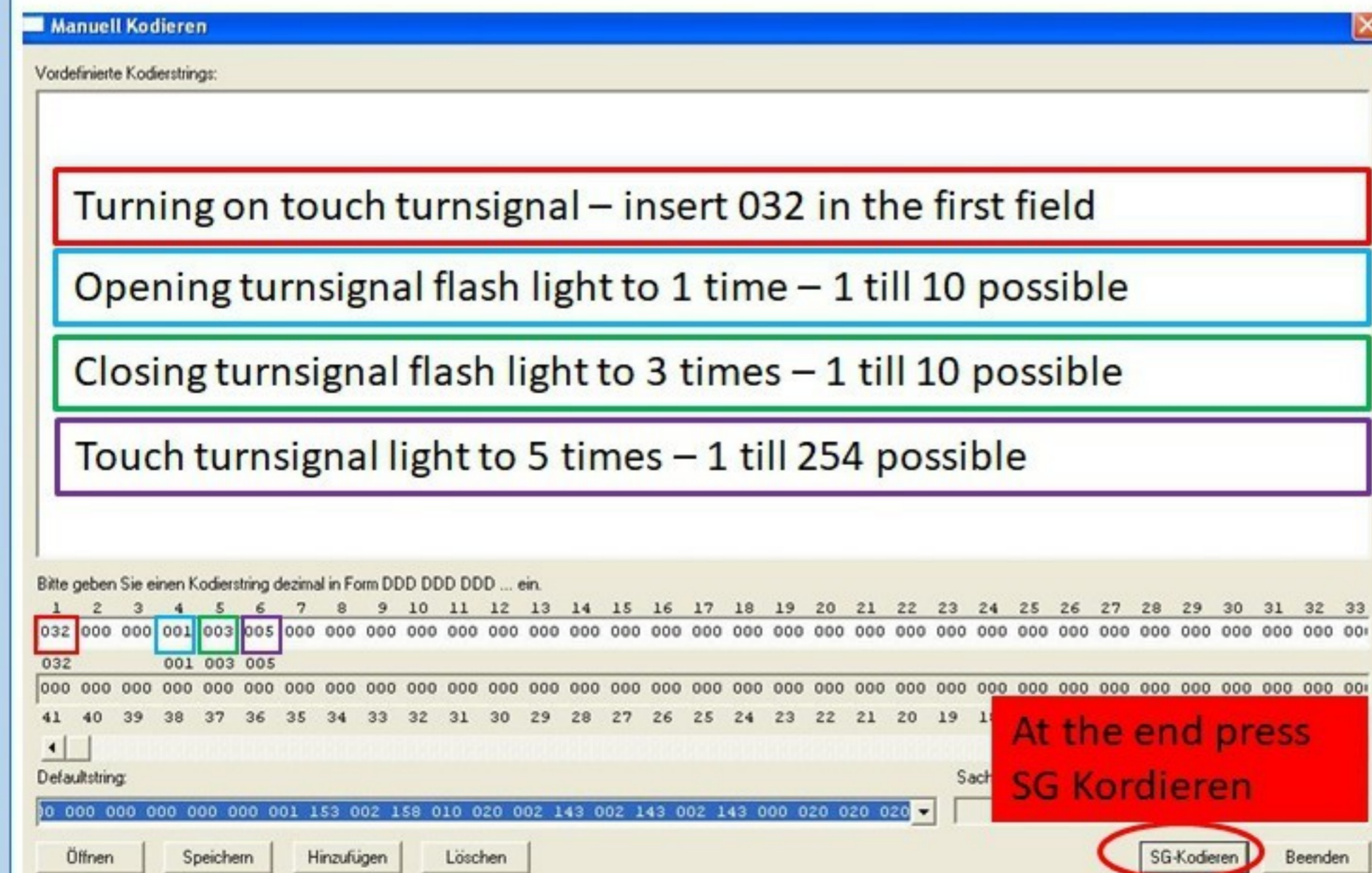
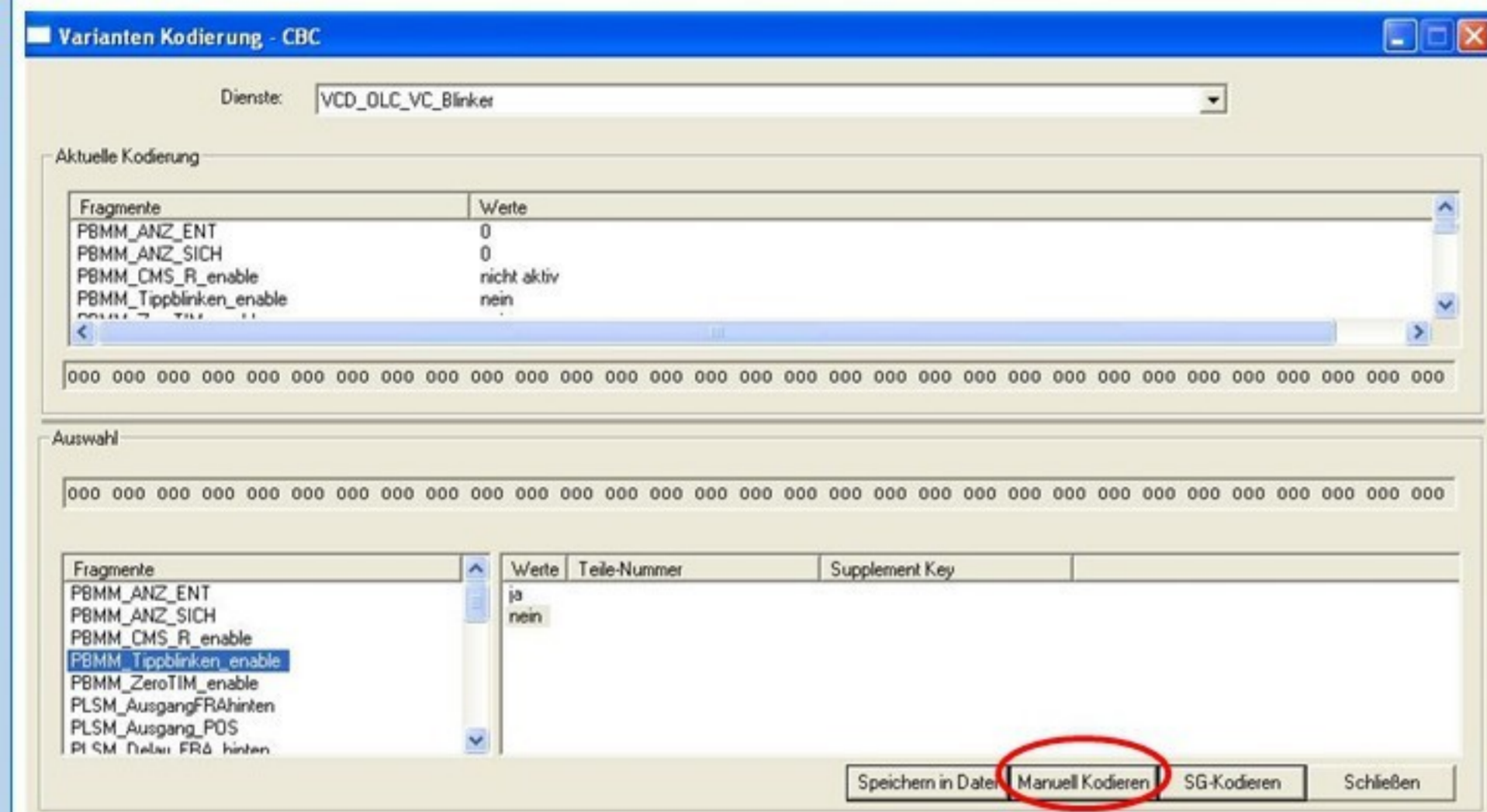
2.1.1 Carlines: 117 156 166 W176 W246 C292 463

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 „Tippblinker_anzahl“
4. Change from 3 to 5
5. Click SG_codieren

The screenshot shows the Ecoute/CAESAR software interface. The main window is titled "Varianten Kodierung - SAMF_212". The "Dienst:" dropdown is set to "VCD_Parameter_Fahrtrichtungsanzeiger". The "Aktuelle Kodierung" table shows the current values for various parameters. The "Auswahl" table shows the selected parameters and their values. The "Auswahl" table has the following data:

Fragmente	Werte	Teile-Nummer	Supplement Key
T_FRA_SML_EIN	1		0673
Faktung(z)	3		0674
Tippblinker_anzahl	4		0675
Tippblinker_enable	5		0676
Tippblinker_t1			
VNOTWBAus			
VNOTWBEin			
VNOTwRMin			

The "Auswahl" table also shows a binary representation of the selected parameters: 127 238 238 001 044 003 001 001 010 003 001 005 005 070 001 004 002 023 034 050 050 000 066 044 007 044 007 001 001.

The "Speichern in Datei" button is disabled, "Manuell Kodieren" is active, and "SG-Kodieren" is highlighted with a red circle and the number 5.

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 Command 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

The screenshot shows the Ecoute/CAESAR software interface for coding HU_204. The main window is titled "Varianten Kodierung - HU_204". The "Dienst:" dropdown is set to "VCD_HU_Parameter", highlighted with a red box labeled "2.". Below it, the "Aktuelle Kodierung" table shows various parameters and their values. The "Auswahl" section shows a table with columns "Fragmente", "Werte", "Teil-Nummer", and "Supplement Key". The "Musicserver function" fragment is selected, and its value is "copy", highlighted with a red box labeled "4.". The "Speichern in Datei" button is highlighted with a red box labeled "1.". The "SG-Kodieren" button is highlighted with a red box labeled "5.". The "Musicserver function" in the fragment list is highlighted with a red box labeled "3.". The status bar at the bottom shows "Bereit" and "HU_204 - High_ECE_212_03 [CANHS 1 an I+ME ACTIA GmbH SDconnect, Interface: HSCAN_Kw2C3PE_500]".

Fragmente	Werte
Address book(2)	activated
Aircondition Status	advance
Attention Assist	installed
Audio ALX	off

Fragmente	Werte	Teil-Nummer	Supplement Key
IC Fast Scroll HDD	copy		
IC Fast Scroll PCMCIA	ripping		
IC Fast Scroll UCI			
Language			
Musicserver			
Musicserver function			
Nav			
Navigations Data			

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

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

Varianten Kodierung - HU_204

Dienste: VCD_HU_Parameter

Aktuelle Kodierung

Fragmente	Werte
Address book(2)	activated
Aircondition Status	advance
Attention Assist	installed
Audio ALIX	off

001 229 000 163 047 001 014 170 002 008 000 000

Auswahl

001 229 000 163 047 001 014 170 002 008 000 000

Fragmente	Werte	Teil-Nummer	Supplement Key
Rearseat Entertainment	activated		UESK
Rearview camera	deactivated		UESJ
Retrofit Navigation			
SDS/TTS			
Speed limit information			
Tail gate party			
Video ALIX			

Speichern in Datei Manuell Kodieren SG-Kodieren

2.2.3 Comand Language change

ECU: HU_204

Hard reset should be performed afterwards

Varianten Kodierung - HU_204

Dienste: VCD_HU_Parameter

Aktuelle Kodierung

Fragmente	Werte
Address book(2)	activated
Aircondition Status	advance
Attention Assist	installed
Audio AUX	off

001 229 000 163 047 001 014 170 002 008 000 000

Auswahl

001 229 000 163 047 001 014 170 002 008 000 000

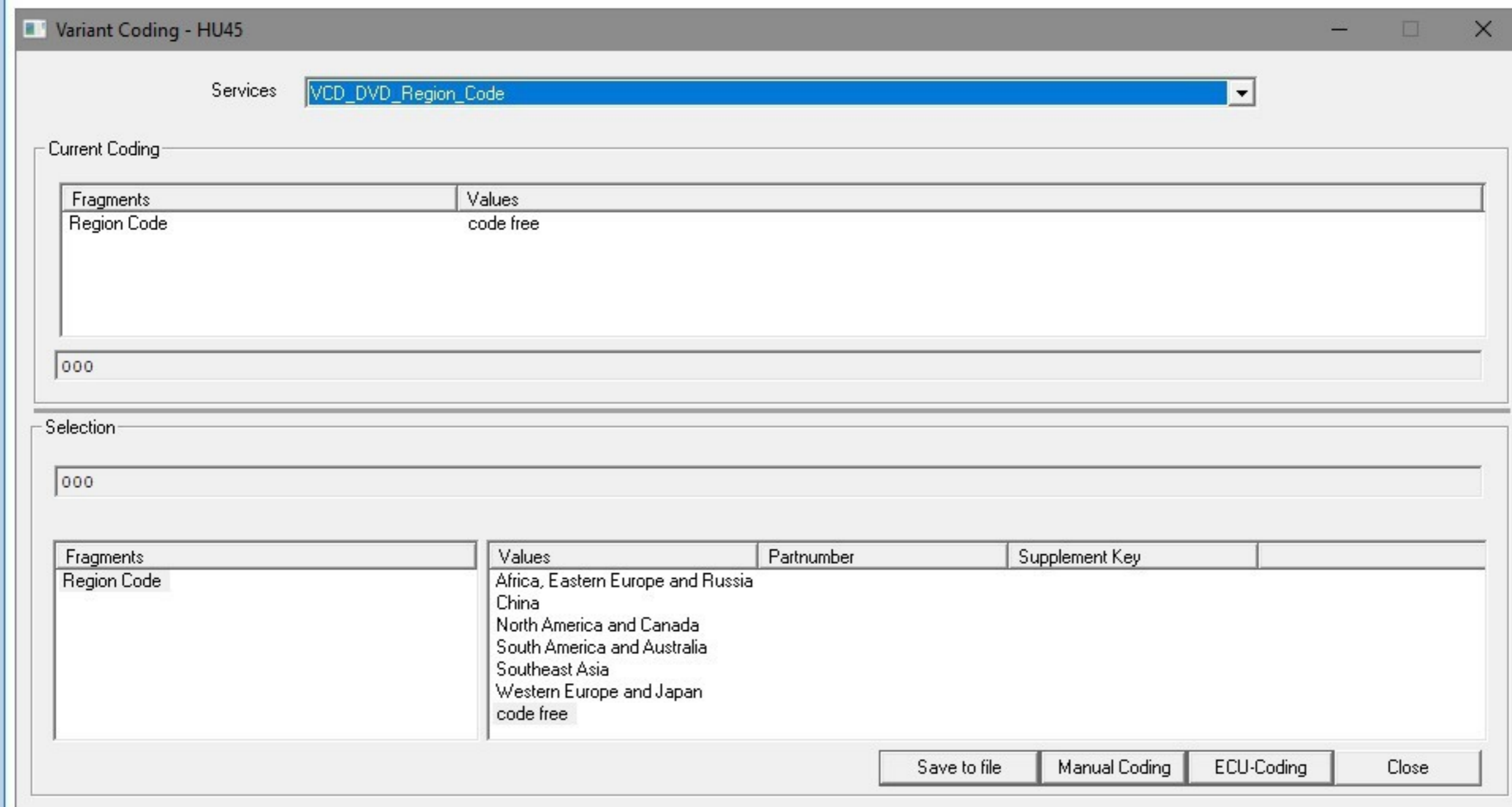
Fragmente	Werte	Teile-Nummer	Supplement Key
IC Fast Scroll HDD	czech		UER8
IC Fast Scroll PCMCIA	danish		UER9
IC Fast Scroll UCI	dutch		UER0
Language	english (uk)		UER8
Musicserver	english (us)		UERJ
Musicserver function	french		UER9
Navi	german		UER7
Navigation Data Base	italian		UIFR0

Speichern in Datei | Manuell Kodieren | SG-Kodieren

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)



2.2.6 PIN code insertion

ECU:HU_204

The screenshot displays the EcuTool software interface. The main window shows a tree view of the system 'HU_204' with various ECU parameters listed under 'Download'. The 'DL_Write_PIN' parameter is selected and highlighted with a red box. A dialog box titled 'Input parameter for DL_Write_PIN' is open, showing a table with the following data:

Qualifier	Name
DL_Write_PIN	PIN

Below the table, there is a 'Description:' field containing the text 'Array for text, 7Byte (fix)'. A red box highlights an empty input field below the description. The dialog box has 'Cancel' and 'OK' buttons at the bottom.

15:06:21 Available Caesar-Hardware:
15:06:21 101044:I+ME ACTIA GmbH SDconnect
15:06:27 System HU_204 is selected
15:06:27 HU_204: SGML-Version:2.0.7
15:06:28 Contact with ECU HU_204 established.

Ready

HU_204 - Mid_ECE_212_AeJ10 (CANHS 1 on I+ME ACTIA GmbH SDconnect, Interface: HSCAN_KW2C3PE_500)

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 could 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

System: IC_204

- ECUs
 - IC_204 - IC_204_Entry_AJ11 (Sim 0 on Simulation, Interface: NULL)
 - Data
 - Download
 - DL_Daempfung_Drehzahlmesser
 - DL_Entwicklungskodierungen
 - DL_Grundparameter_ASSYST_PLUS
 - DL_Handover_Daten
 - DL_Interne_ASSYST_PLUS_Daten_Block
 - DL_Interne_ASSYST_PLUS_Daten_schreiben
 - DL_Interne_durchschnittliche_Tageskilometer_ASSYST_PLUS
 - DL_Oeldaten_konstante_Werte_ASSYST
 - DL_Oeldaten_variable_Werte_ASSYST
 - DL_Oelnachfuelltabelle_ASSYST
 - DL_Oelnachfuelltabelle_ASSYST_Block
 - DL_Oelresettabelle_ASSYST
 - DL_Oelresettabelle_ASSYST_Block
 - DL_Produktionsdaten
 - DL_Reiserechner_1
 - DL_Reiserechner_2
 - DL_Reiserechner_3
 - DL_Sommer_Winterzeit
 - DL_Tagesumschlagzaehler_Kombi
 - DL_Tankdaten_G
 - DL_Testler

Qualifier	Name
DL_Entwicklungskodierungen	Tankhaltungsanzeige im Reiserechner (Tank
DL_Entwicklungskodierungen	Uhrzeitsynchronisation mit Head Unit (Mer
DL_Entwicklungskodierungen	Ambientes Licht (Menu_Ambientlight)
DL_Entwicklungskodierungen	Rücksetzen auf Werkseinstellungen (Men
DL_Entwicklungskodierungen	ROE_Light (RoE_light_supress)
DL_Entwicklungskodierungen	HIL ID's (HIL_SEND)

Description:
0=aus; 1=ein

en

Cancel OK

22:37:11
22:37:34 Warning: working directory not found (C:\Users\STAR\Desktop\IC_204)
22:37:34 Warning: working directory created (C:\Users\STAR\Desktop\IC_204)
22:37:34 System IC_204 is selected
22:37:34 IC_204: SGML-Version:06.01.28
22:37:36 Contact with ECU IC_204 established.
22:37:42 Lost contact with ECU IC_204.
22:37:42 Contact with ECU IC_204 established.

Ready IC_204 - IC_204_Entry_AJ11 (Sim 0 on Simulation, Interface: NULL) Protocol is running

2.3.2 Daylight menu activation

ECU : IC_204

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

Variant Coding - IC_204

Services: VCD_06_Menueaktivierung

Current Coding

Fragments	Values
Abstandswarnung Presafe_Brake (Menu_Distanc...	nicht vorhanden
Advanced DISTRONIC Radarsensorik (Menu_Radar...	nicht vorhanden
Aktive Totwinkelerkennung (Menu_Active_Blind_...	nicht vorhanden
Aktivierung Spurwechselassistent (Menu_Blind_S...	nicht vorhanden

000 000 000 000

Selection

000 000 000 000

Fragments	Values	Partnumber	Supplement Key
Gurtlose Reduktion (Menu_Belt_Pretensioner)	nicht vorhanden		99CC
ILS Touristenmenü (Menu_TouristMd)	vorhanden		99CD
Intelligent Light System (Menu_ILS)			
Lichtschaltung Tagfahrlicht (Menu_Daylight)			
Müdigkeitswarner (Menu_Attention_Assist)			
Nachleuchten Innenlicht (Menu_Interior_Light_Dela			

Save to file Manual Coding ECU-Coding Close

2.3.3 ESP off menu activation

ECU : IC_204

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

Variant Coding - IC_204

Services: VCD_06_Menueaktivierung

Current Coding

Fragments	Values
Abstandswarnung Presafe_Brake (Menu_Distanc...	nicht vorhanden
Advanced DISTRONIC Radarsensorik (Menu_Radar...	nicht vorhanden
Aktive Totwinkelerkennung (Menu_Active_Blind_...	nicht vorhanden
Aktivierung Spurwechselassistent (Menu_Blind_S...	nicht vorhanden

000 000 000 000

Selection

000 000 000 000

Fragments	Values	Partnumber	Supplement Key
Auswahl Permanentanzeige (Menu_Status_Temp_S	nicht vorhanden		9A0I
Automatische Türverriegelung (Menu_Automatic_Lo	vorhanden		9A0J
Dimmung Interieur (Menu_Dimming)			
ESP Off Menü (Menu_ESP_Off)			
Geschwindigkeitsbegrenzung (Menu_Permanent_Sp			
Gurtlose Reduktion (Menu_Belt_Pretensioner)			
U.S. Tempstermenü (Menu_Tempstermenü)			

Save to file Manual Coding ECU-Coding Close

2.3.4 Deactivate Seat belt warning

ECU: Instrument Cluster - IC172

Always click SG-codieren at the end

Hard reset should be performed afterwards

Varianten Kodierung - IC172

Dienste:

Aktuelle Kodierung

Fragmente	Werte
Akustik Geschwindigkeitswarnung (Gulf_state_W...)	aus
Akustische Gurtwarnung (Belt_Warning_Sound)(1)	deaktiviert
Anzahl Rücksitze (Rear_Seat_Layout)(1)	3 Sitze
Einheit DTR-Skala (Unit_DTR)(1)	Yard

128 000 010 000 016 023

Auswahl

128 000 010 000 016 023

Fragmente	Werte	Teile-Nummer	Supplement Key
Einheit DTR-Skala (Unit_DTR)(1)	entsprechend Konfiguration		
Golfstaatenwarnung Geschwindigkeit (Speedwarnin	keine Gurtwarnung		
Gurtwarnung (Belt_Warning_Type)(1)	nach EURO NCAP		
Gurtwarnung Fond (Belt_Warning_Back)(1)	nach USA NCAP		
Ländergruppe 1			
UK_Version (UK_Version_Digital_Display)(1)			

Speichern in Datei | Manuell Kodieren | SG-Kodieren

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

The screenshot displays the 'Varianten Kodierung - IC_204' dialog box within the Ecoute/CAESAR simulation environment. The dialog is titled 'Varianten Kodierung - IC_204' and has a dropdown menu for 'Dienste' set to 'VCD_Laenderkodierung_Detail'. It is divided into several sections:

- Aktuelle Kodierung:** A table showing the current coding for various fragments. The 'Anzeigeeinheit Reifendruck (Unit_Pressure)' fragment is currently set to 'bar'.
- Auswahl:** A section for selecting alternative coding values. It shows a list of fragments and their corresponding values and supplement keys.

Fragmente	Werte
Akustik Geschwindigkeitswarnung (Gulf_state_W...)	ein
Akustische Gurtwarnung (Belt_Warning_Sound){2}	deaktiviert
Anzahl Rücksitze (Rear_Seat_Layout){2}	2 Sitze
Anzeige Format Datum (Format_Date)	TT.MM.JJJJ
Anzeige Format Uhrzeit (Format_Time)	24 Stunden
Anzeigeeinheit Reifendruck (Unit_Pressure)	bar
Anzeigeeinheit Temperatur (Unit_Temp)	°C

Fragmente	Werte	Teile-Nummer	Supplement Key
Akustik Geschwindigkeitswarnung (Gulf_state_War	bar		0493
Akustische Gurtwarnung (Belt_Warning_Sound){2}	psi		0494
Anzahl Rücksitze (Rear_Seat_Layout){2}			
Anzeige Format Datum (Format_Date)			
Anzeige Format Uhrzeit (Format_Time)			
Anzeigeeinheit Reifendruck (Unit_Pressure)			
Anzeigeeinheit Temperatur (Unit_Temp)			
Auswahl Sprachenmenü (Variant_Menu_Language)			
Einheit DTR-Skala (Unit_DTR){2}			
Einheit Verbrauchsanzeige Gallonen (Unit_Consump			
Einheit Verbrauchsanzeige Liter (Unit_Consumption			

Buttons at the bottom of the dialog: Speichern in Datei, Manuell Kodieren, SG-Kodieren, Schließen.

System log at the bottom left shows messages such as: 19:56:30 Warnung: Arbeitsverz..., 19:56:30 System IC_204 gelad..., 19:56:30 IC_204: SGML-Version..., 19:56:31 Kontakt mit Steuergerä..., 19:56:42 Kontakt mit Steuergerät IC_204 verloren., 19:56:42 Kontakt mit Steuergerät IC_204 hergestellt.

Bottom status bar: Bereit | IC_204 - IC212, IC_204, Mid_Line_AJ09 [Sim 0 an Simulation, Interface: NULL] | Protokollierung läuft

2.3.7 Changing temperature unit - just mentioning - no screenshots

ECU: IC204

Dienste: VCD_Ländercodierung_detail

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

The screenshot shows the 'Varianten Kodierung - IC_204' dialog box in the Ecoute/CAESAR software. The dialog is open to the 'Auswahl' (Selection) tab, where a list of fragments is shown. The fragment 'Anzeigeeinheit Temperatur (Unit_Temp)' is highlighted with a red box. The 'Aktuelle Kodierung' (Current Coding) tab is also visible, showing a table of current values for various fragments, including 'Anzeigeeinheit Temperatur (Unit_Temp)' which is currently set to '°C'.

Aktuelle Kodierung

Fragmente	Werte
Akustik Geschwindigkeitswarnung (Gulf_state_W...	ein
Akustische Gurtwarnung (Belt_Warning_Sound){2}	deaktiviert
Anzahl Rücksitze (Rear_Seat_Layout){2}	2 Sitze
Anzeige Format Datum (Format_Date)	TT.MM.JJJJ
Anzeige Format Uhrzeit (Format_Time)	24 Stunden
Anzeigeeinheit Reifendruck (Unit_Pressure)	bar
Anzeigeeinheit Temperatur (Unit_Temp)	°C

Auswahl

Fragmente	Werte	Teile-Nummer	Supplement Key
Akustik Geschwindigkeitswarnung (Gulf_state_War	bar		0493
Akustische Gurtwarnung (Belt_Warning_Sound){2}	psi		0494
Anzahl Rücksitze (Rear_Seat_Layout){2}			
Anzeige Format Datum (Format_Date)			
Anzeige Format Uhrzeit (Format_Time)			
Anzeigeeinheit Reifendruck (Unit_Pressure)			
Anzeigeeinheit Temperatur (Unit_Temp)			
Auswahl Sprachenmenu (Variant_Menu_Language)			
Einheit DTR-Skala (Unit_DTR){2}			
Einheit Verbrauchsanzeige Gallonen (Unit_Consump			
Einheit Verbrauchsanzeige Liter (Unit_Consumption			

Buttons: Speichern in Datei | Manuell Kodieren | SG-Kodieren | Schließen

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

Varianten Kodierung - SAMR_212

Dienste:

Aktuelle Kodierung

Fragmente	Werte
EDW_Country_Parameter	Niederlande (Kundenwunsch)

003 003 255 000 001 044 011 184 020 025 090 000 000 000 009 028 015 001 138 001 072 033 033 000 002 054 006 010 002

Auswahl

003 003 255 000 001 044 011 184 020 025 090 000 000 000 009 028 015 001 138 001 072 033 033 000 002 054 006 010 002

Fragmente	Werte	Teile-Nummer	Supplement Key
EDW_Country_Parameter	Belgien		BZ3Z
	Belgien ohne Selbstschärfung		
	Niederlande		000J
	Niederlande (Kundenwunsch) — 3 x piep closing 1x piep opening		000K
	Niederlande (quadr. Sirene)		BKHV
	Niederlande / Buzzer-Hupe		BM62
	Nordamerika Basis mit Panic		000F
	Nordamerika Basis mit Panic (RR197 ab Pro1)		R73N

Speichern in Datei | Manuell Kodieren | SG-Kodieren

Volume change of craps sound:

Varianten Kodierung - SAMR_212

Dienste:

Aktuelle Kodierung

Fragmente	Werte
Buzzer Parameter	100%

030

Auswahl

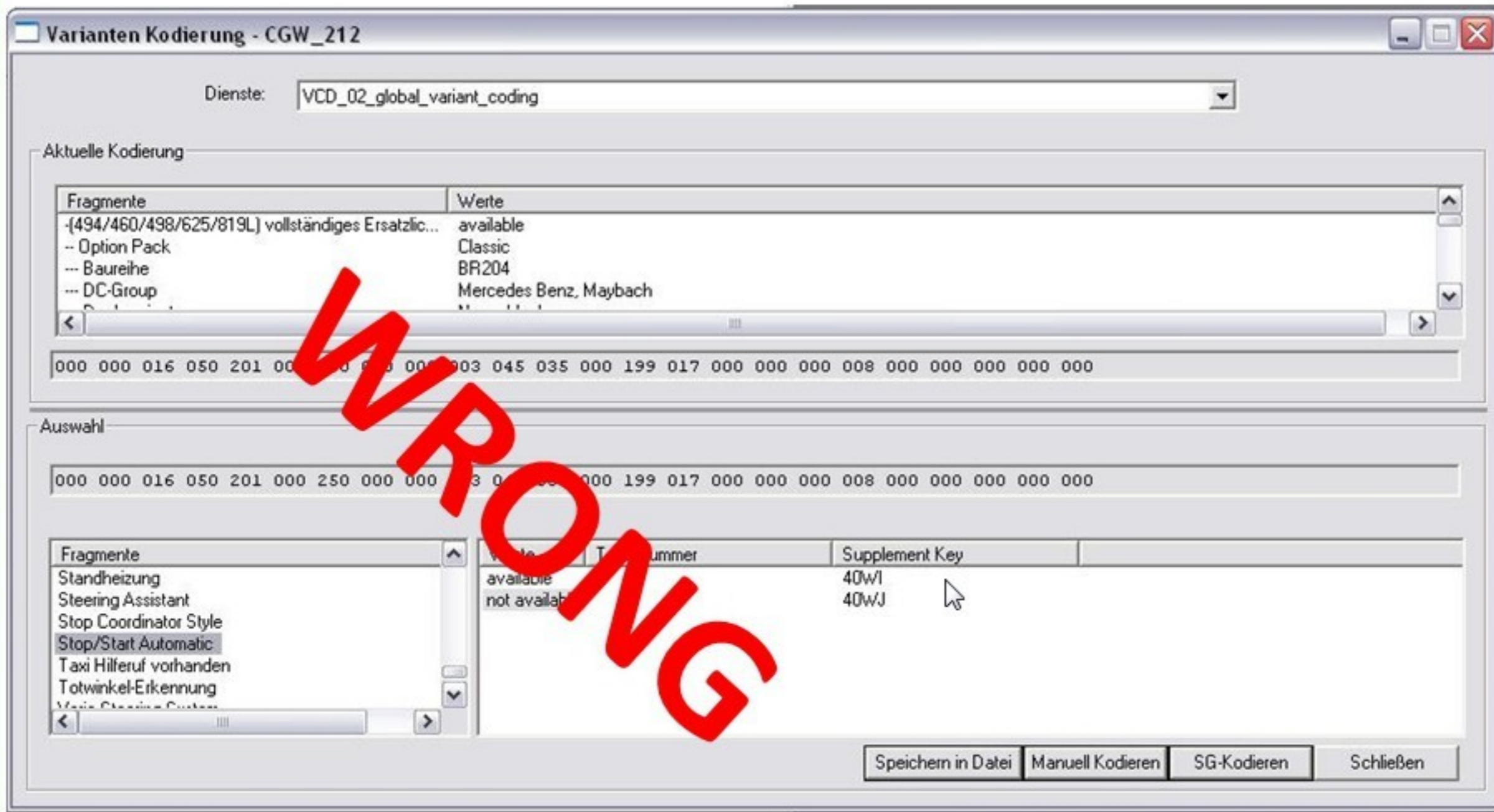
030

Fragmente	Werte	Teile-Nummer	Supplement Key
Buzzer Parameter	0%		0001
	10%		0003
	100%		000C
	20%		0004
	30%		0005
	40%		0006
	5%		0002
	50%		0007

Speichern in Datei | Manuell K

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

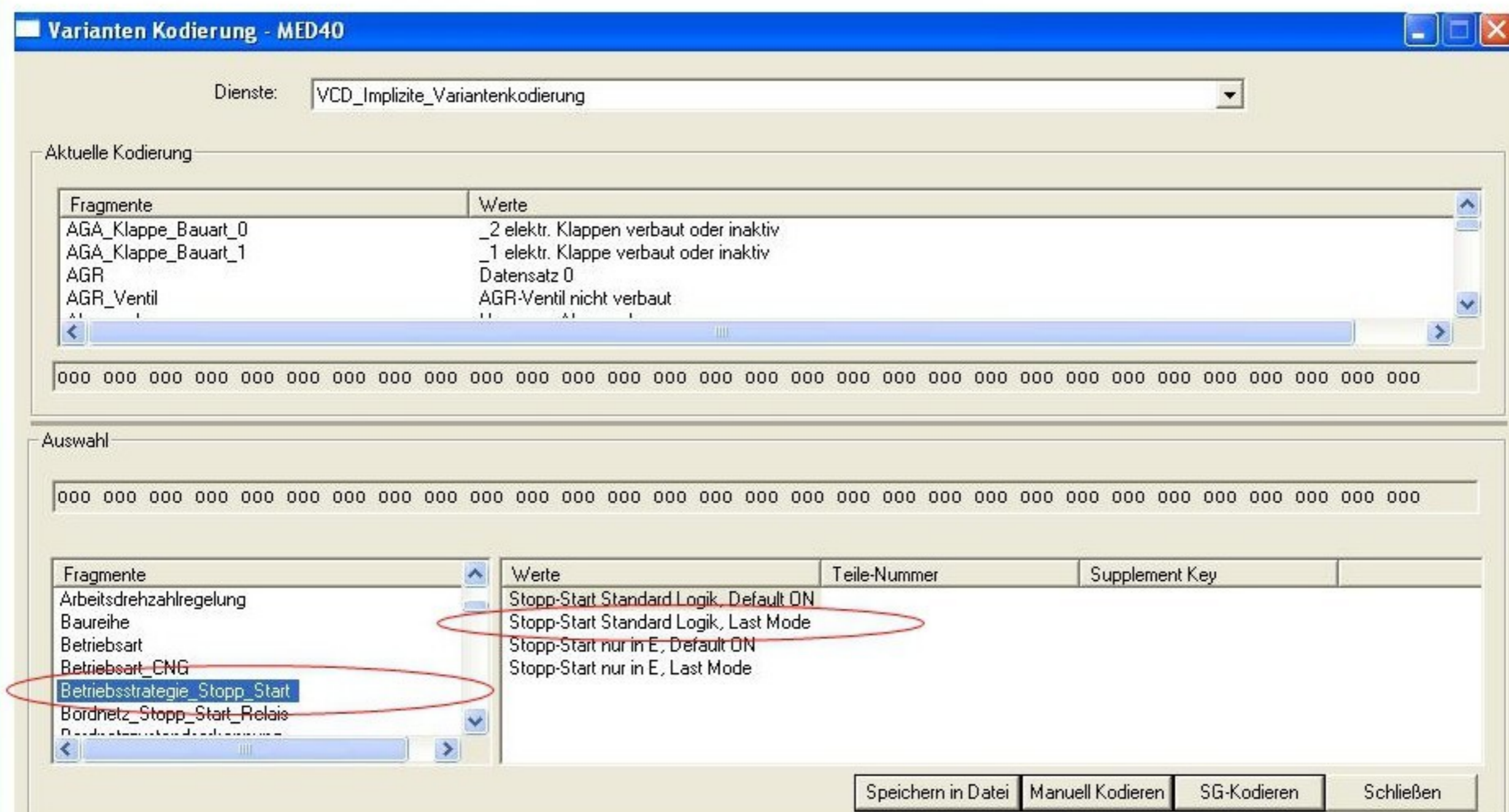
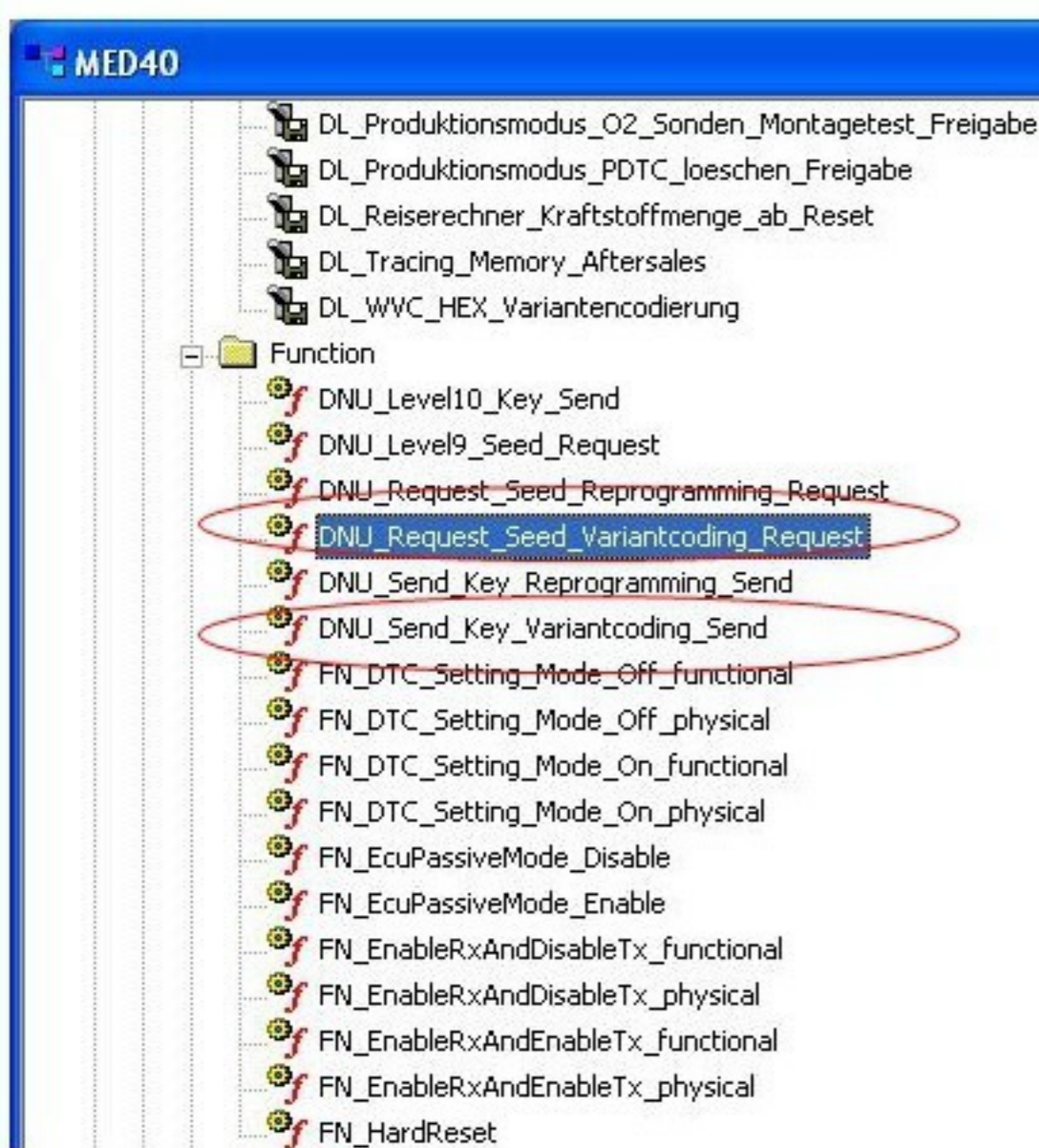
ECU: Engine ECU – ME97

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?

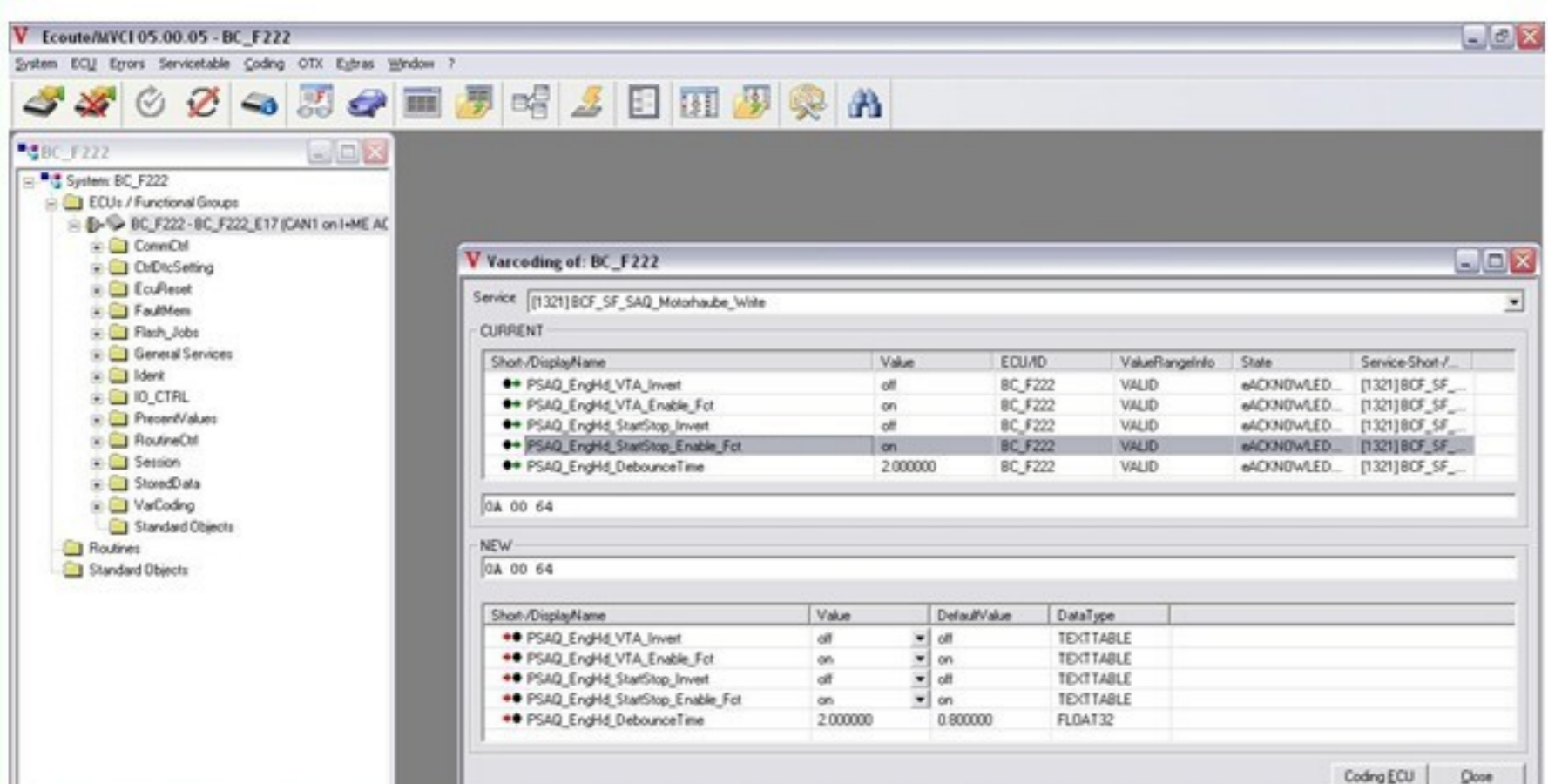
Finally, I realized that the above procedure could disable ECO Start-Stop function. However, this is different from "last mode" I expected. You need coding MED40 for it.

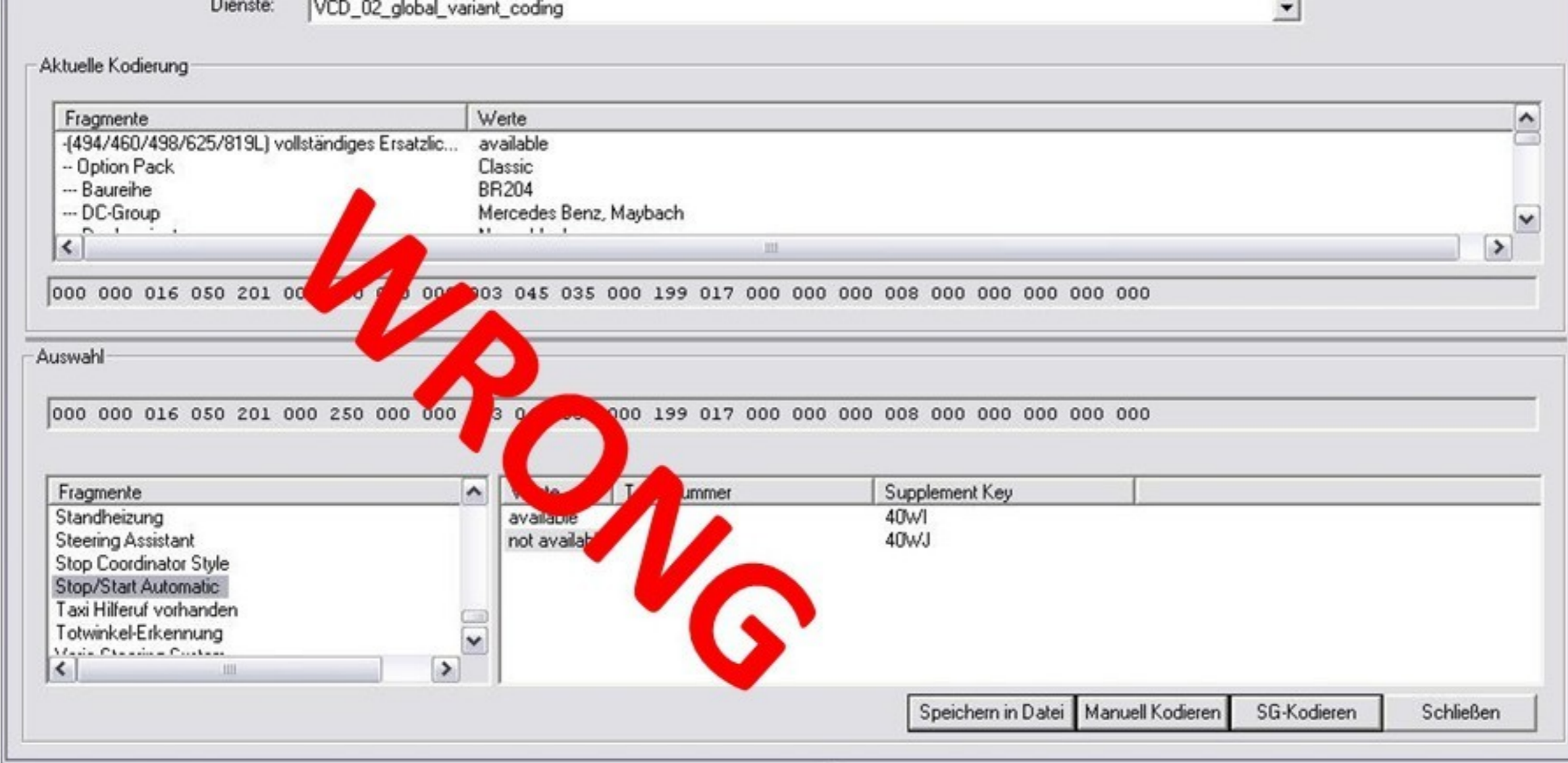


Diesel = this works

Gasoline = need to deactivate completely

Another possibility:





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

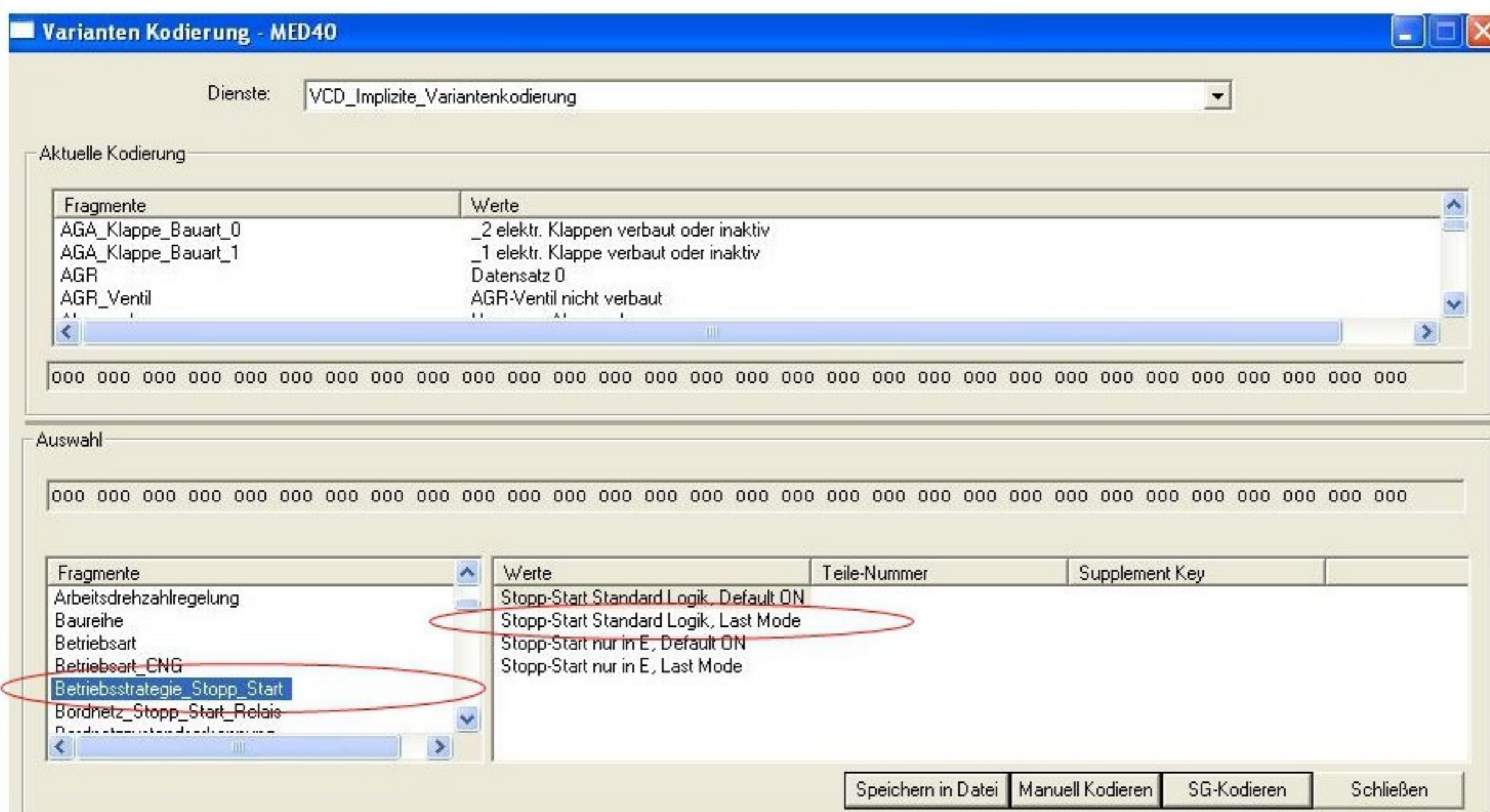
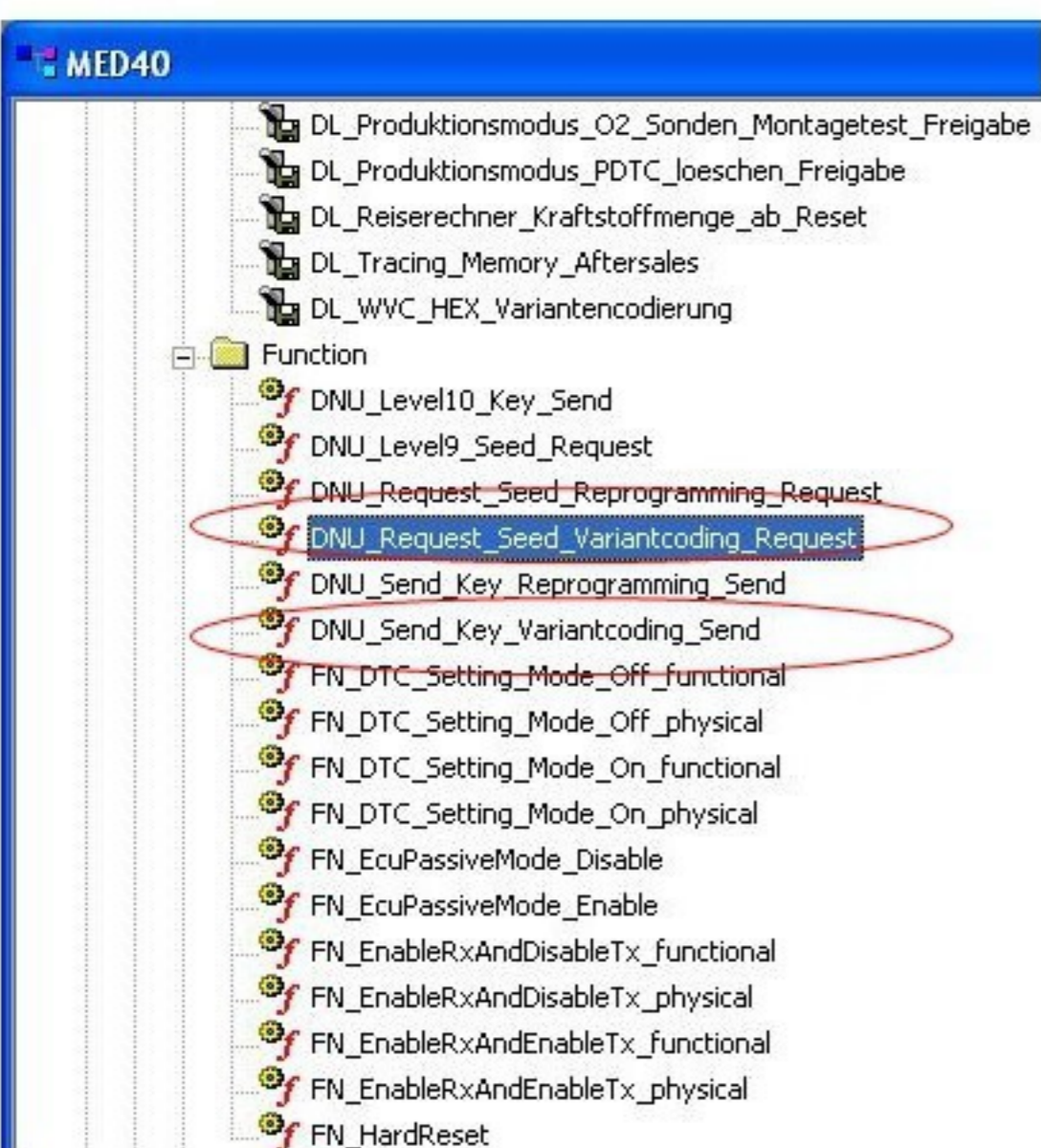
Always click SG-codieren at the end

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?

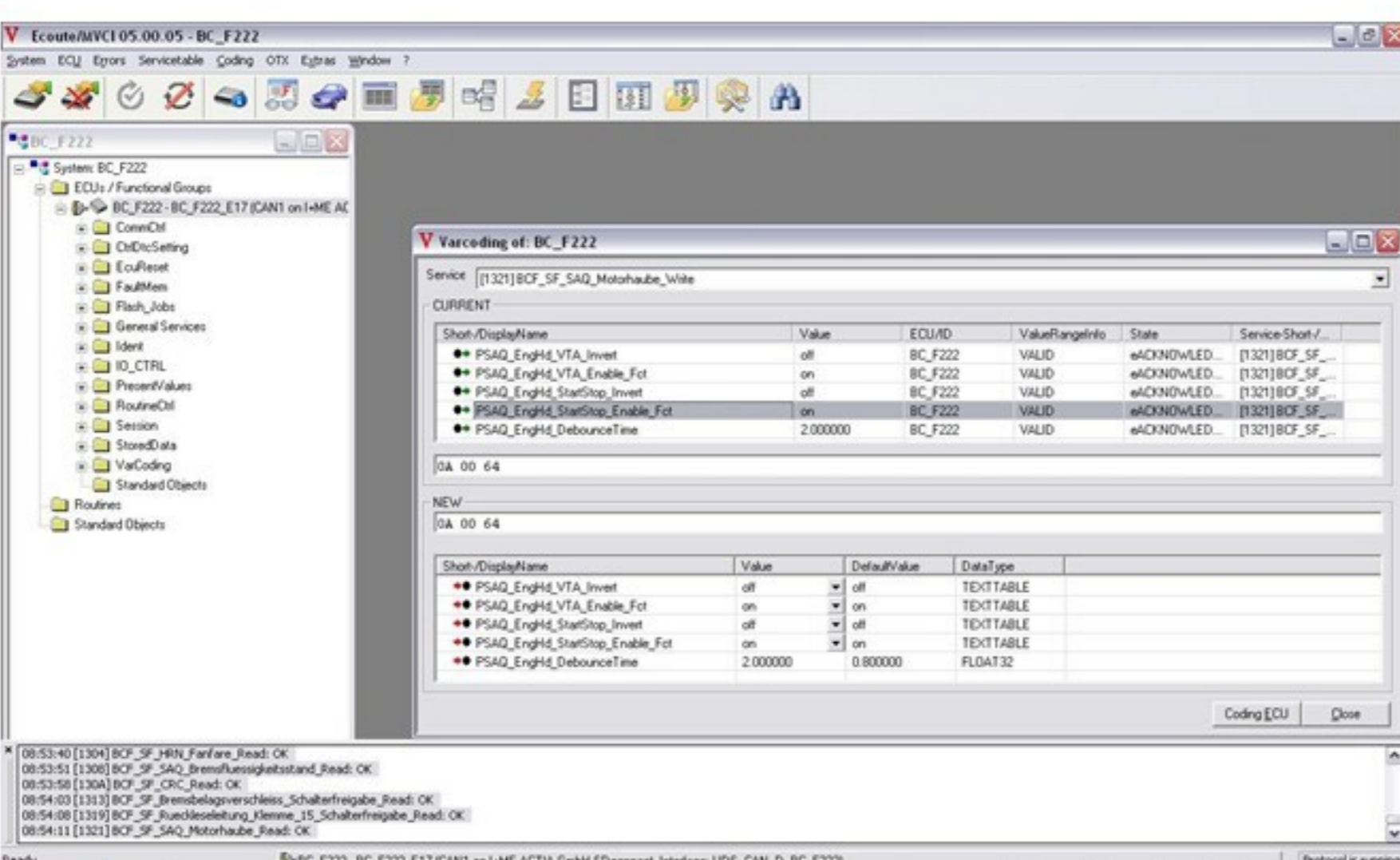
Finally, I realized that the above procedure could disable ECO Start-Stop function. However, this is different from "last mode" I expected. You need coding MED40 for it.



Diesel = this works

Gasoline = need to deactivate completely

Another possibility:



W205 (just found in forum)

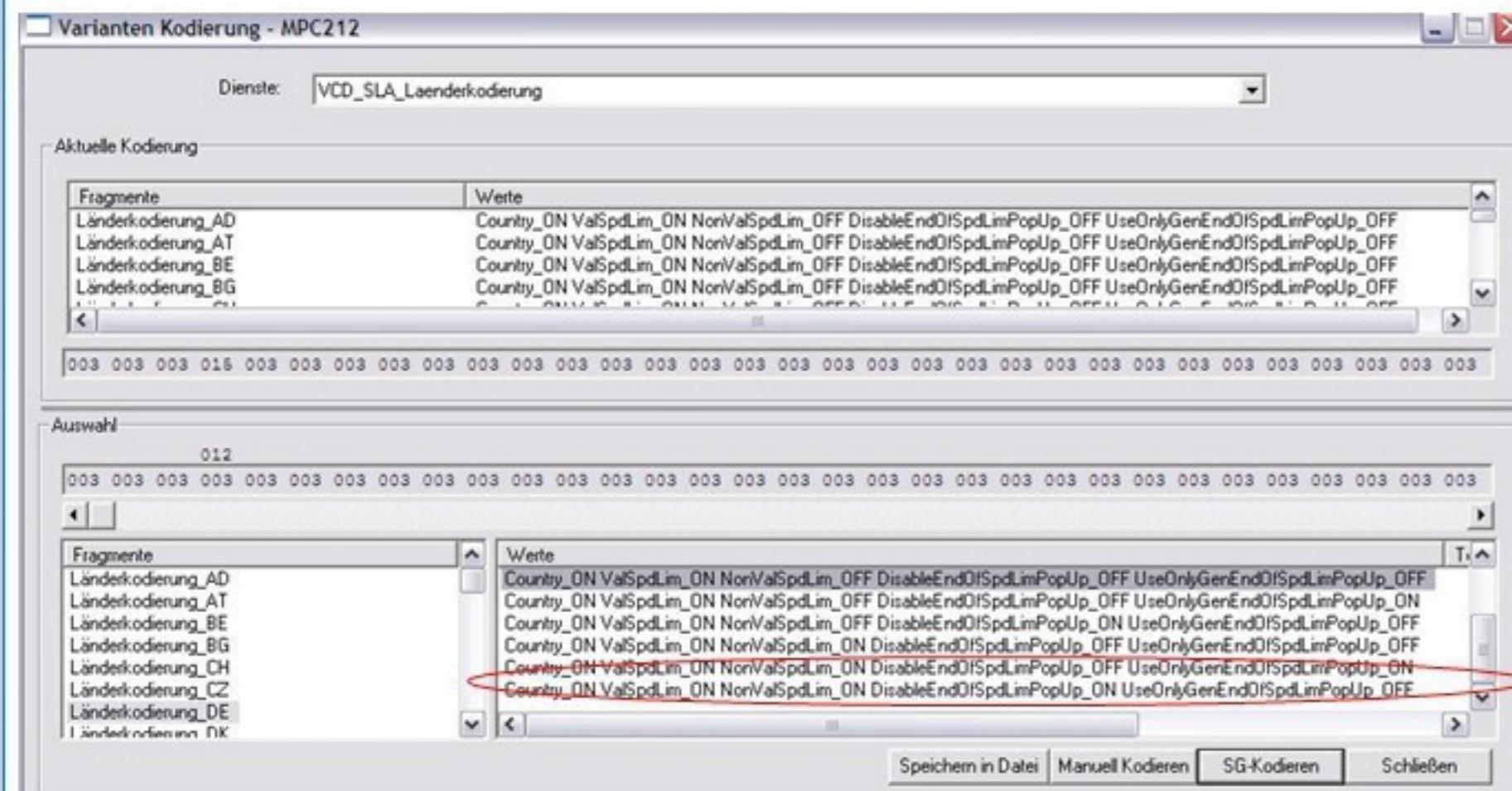
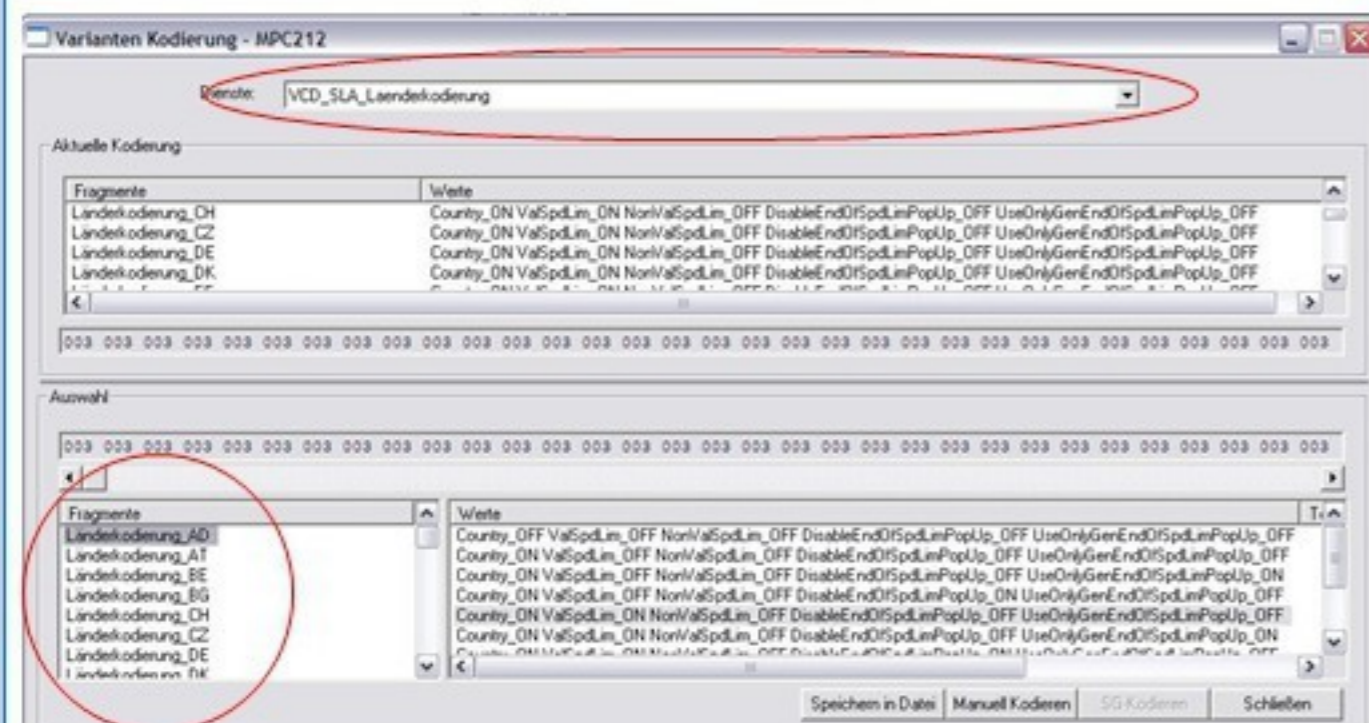
SMR-D file in Bc-f222 choose BCF-SF SAQ Motorhaube Write and change PSAQ_EngHd_StartStop_Enable_fct from on to off then press coding

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

Varianten Kodierung - CGW_212

Dienste: VCD_02_global_variant_coding

Aktuelle Kodierung

Fragmente	Werte
-(494/460/498/625/819L) vollständiges Ersatzlic...	available
-- Option Pack	Avantgarde
--- Baureihe	BR212
--- DC-Group	Mercedes Benz, Maybach

000 016 024 152 237 132 250 000 000 002 038 163 000 223 026 000 187 064 019 000 000 000 000 000

Auswahl

000 016 024 152 237 132 250 000 000 002 038 163 000 223 026 000 187 064 019 000 000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplen
423/427 Automatikgetriebe	470 Reifendruckmodul (SA - low line)		0022
440 Bremsender Tempomat	475 Reifendruckmodul (SA - mid line)		0023
470/475 Reifendruckmodul (Bauart) (SA)	kein Reifendruckmodul		0021
477 Plattrollwarner	nicht definiert		0024
483 Luftfederung			
500 Spiegelanklappung			

Speichern in Datei | Manue

Varianten Kodierung - IC_204

Dienste: VCD_05_Variantenkodierung

Aktuelle Kodierung

Fragmente	Werte
AdBlue Werkstattmenü (AdBlue_Level_Garage)	nicht vorhanden
Anzeige Abstandsgraphik (Menu_Distance_Grap...	vorhanden
Anzeige Geschwindigkeitsbeschränkung (Menu_...	vorhanden
Audio (Audio_available)	vorhanden

153 023 051 077 066 003

Auswahl

153 023 051 077 066 003

Fragmente	Werte	Teile-Nummer	Supplement Key
Hybrid Anzeigen (Hybrid_PT)	aktiviert		000J
Intelligent Light System (ILS_Available)	deaktiviert		000I
K-Zahl (K_Zahl)			
Lampe Reifendruckkontrolle (Lamp_TPM)			
Limiterfunktion (LIM)			
Navigation (Navigation_Available)			

Speichern in |

2.9 Vmax change

ECU: Engine ECU – Me97

Hard reset sollte hinterher durchgeführt werden

Hard reset should be performed afterwards

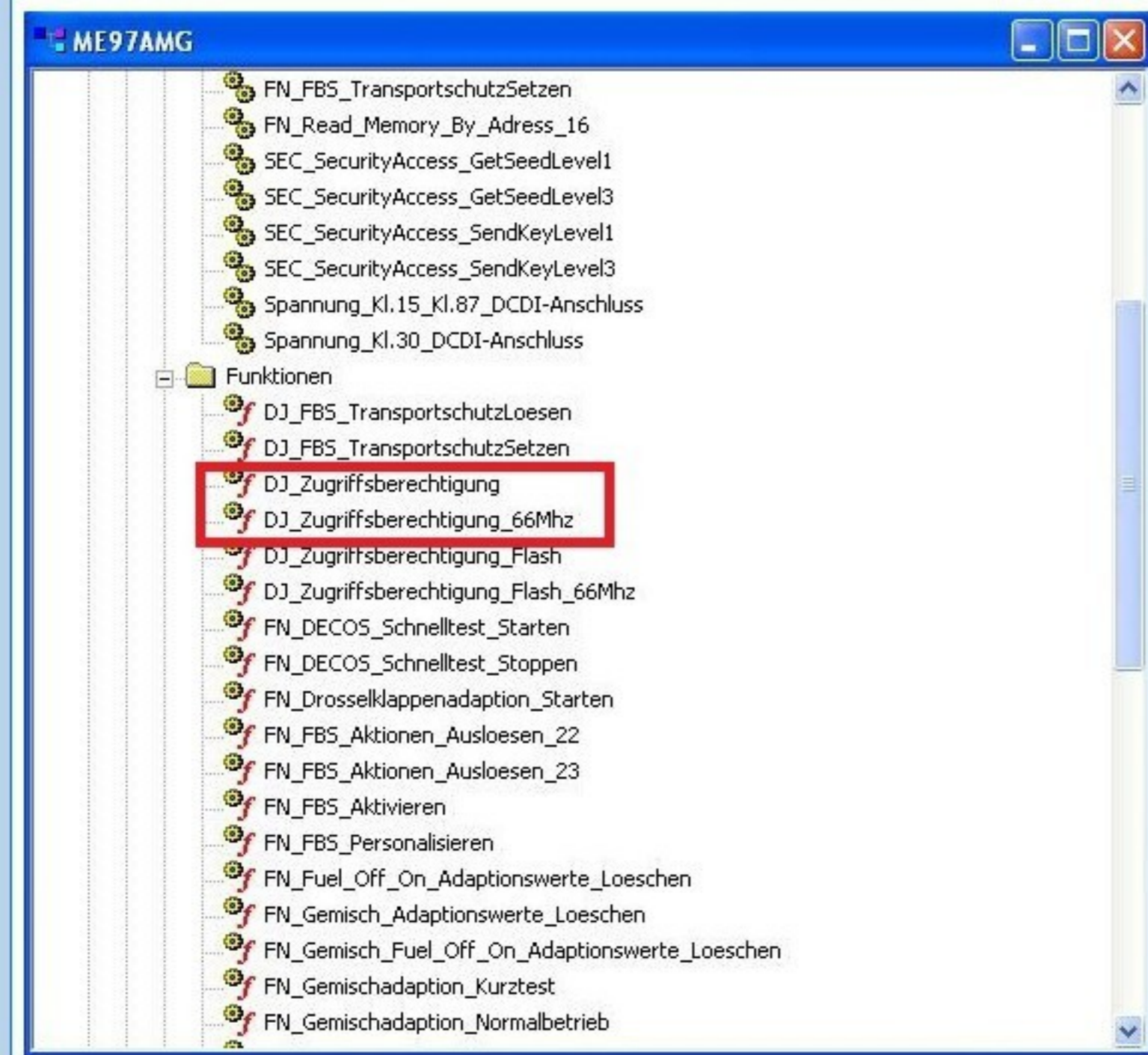
Both Zugriffsberechtigung functions activated/needed

Engine needs to be turned off !

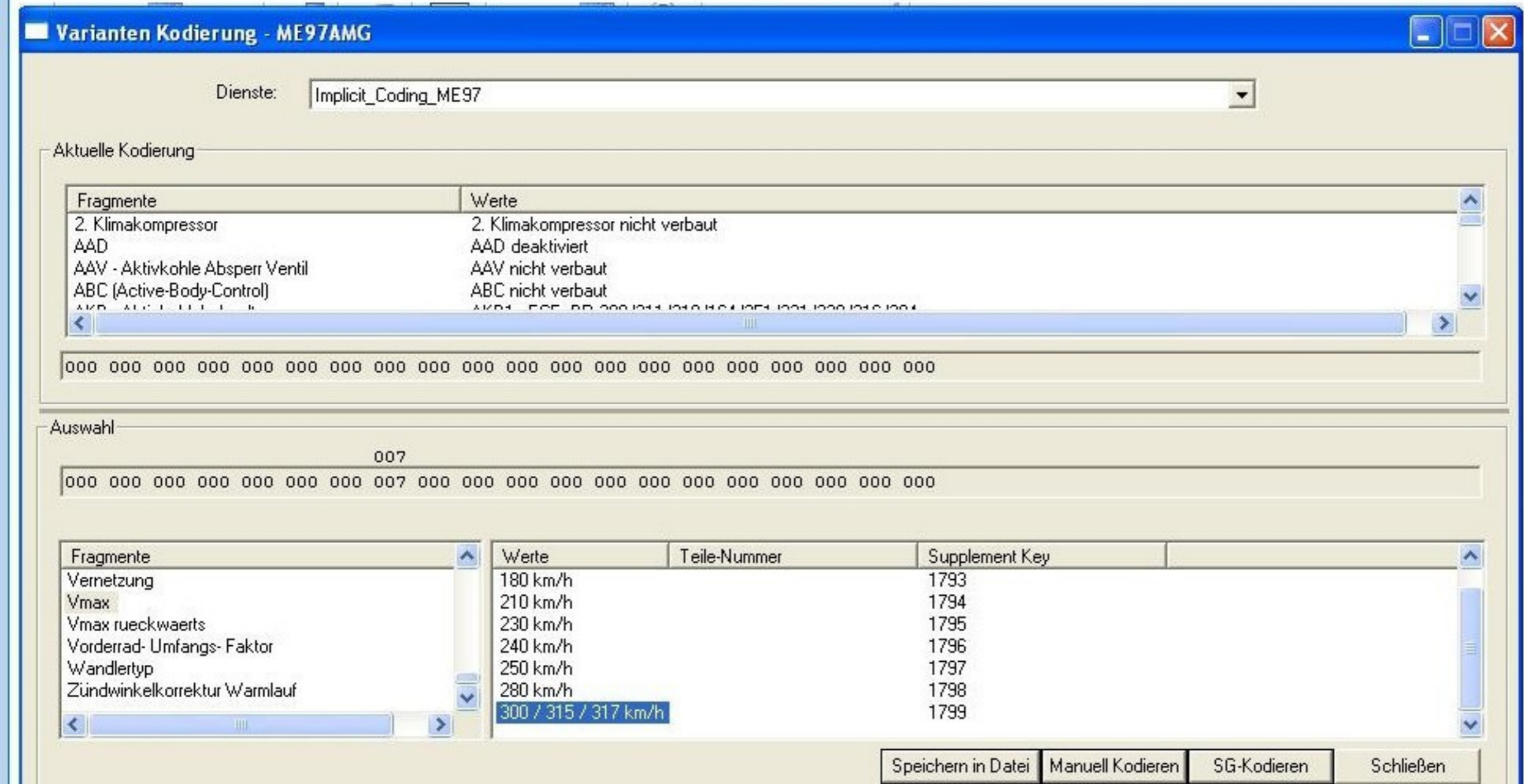
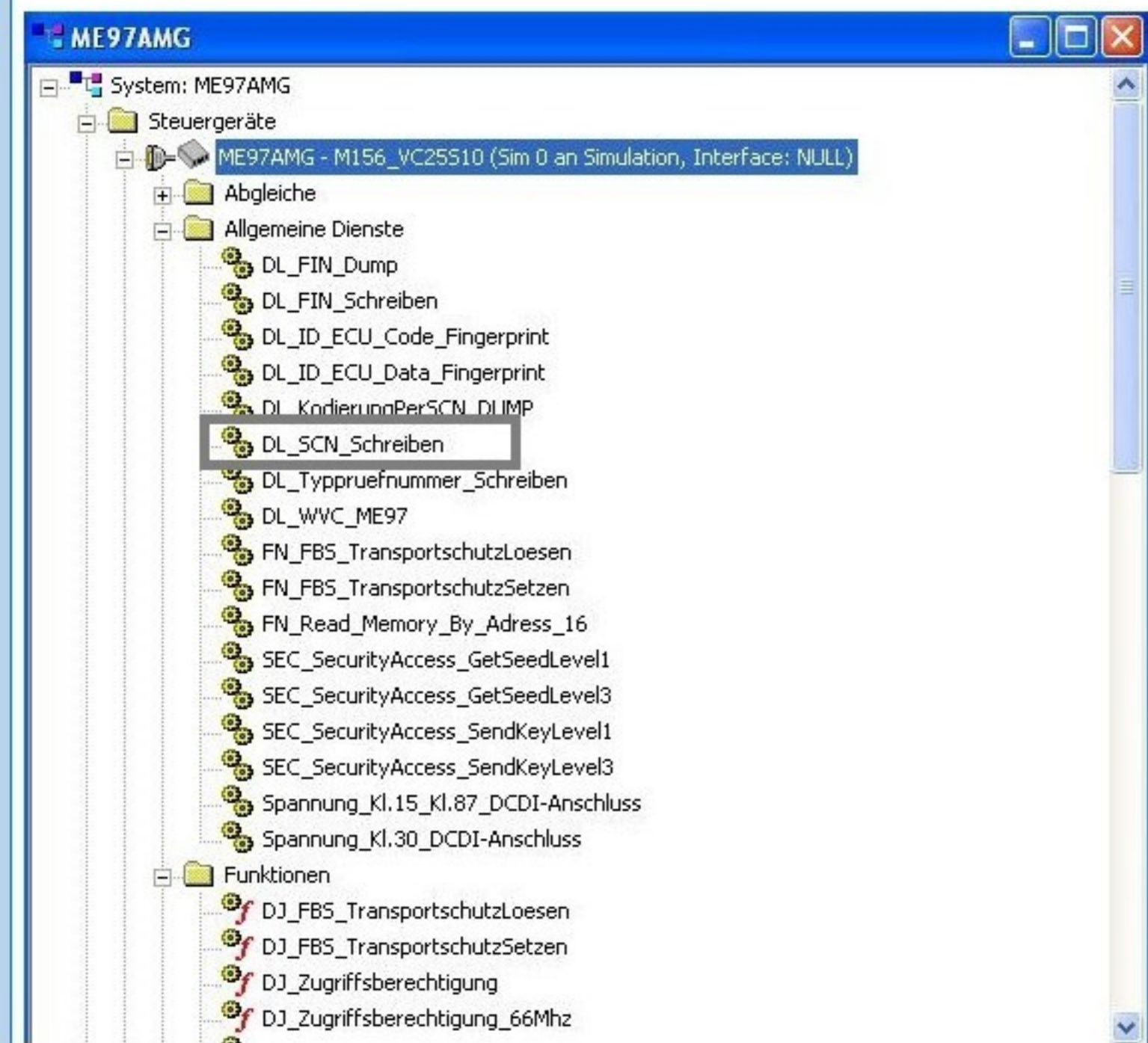
Open your engine ecu.

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

EXPLANATIONS - 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 "jumper" (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 (Momentenerhoeung 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.

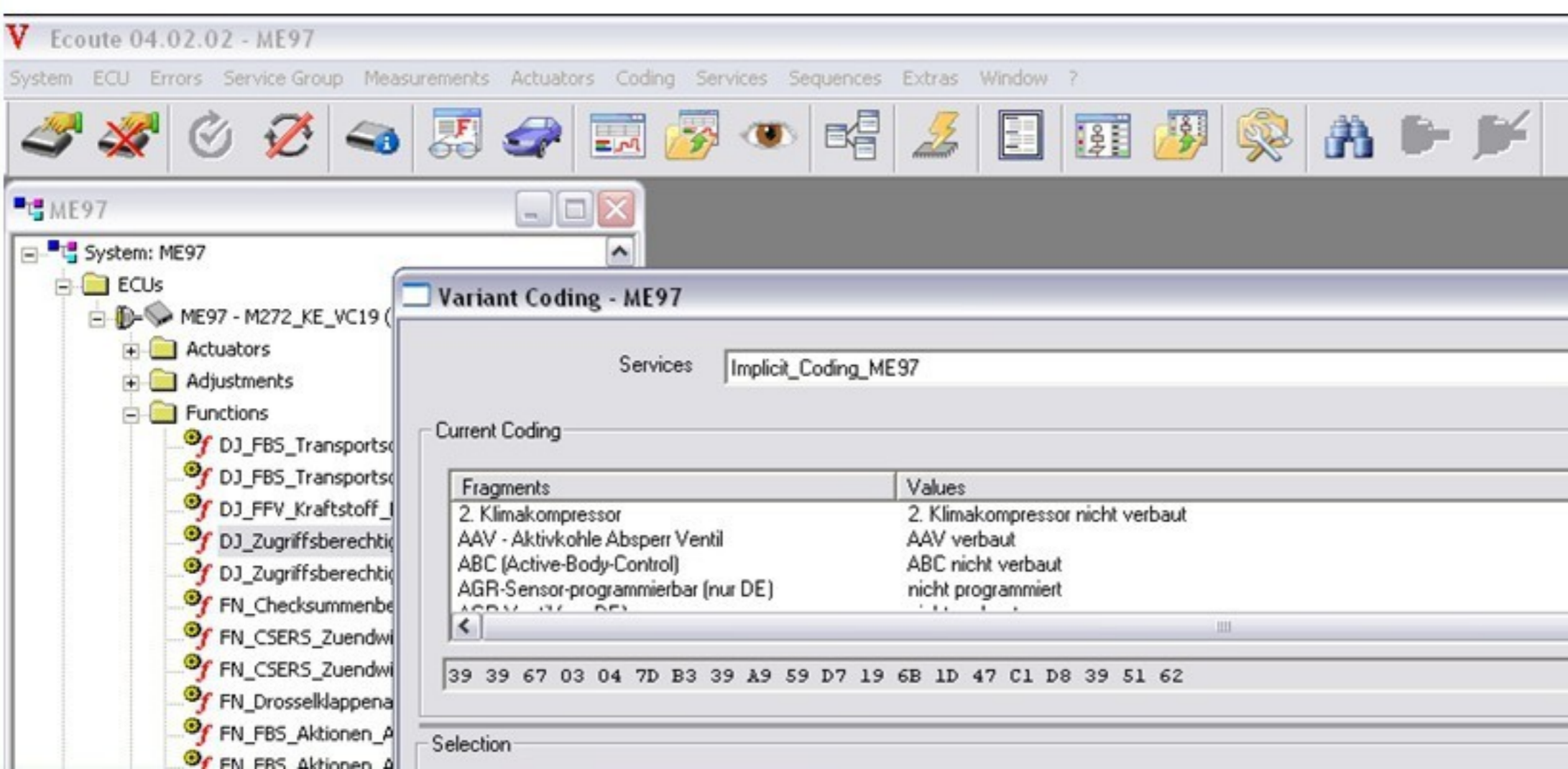
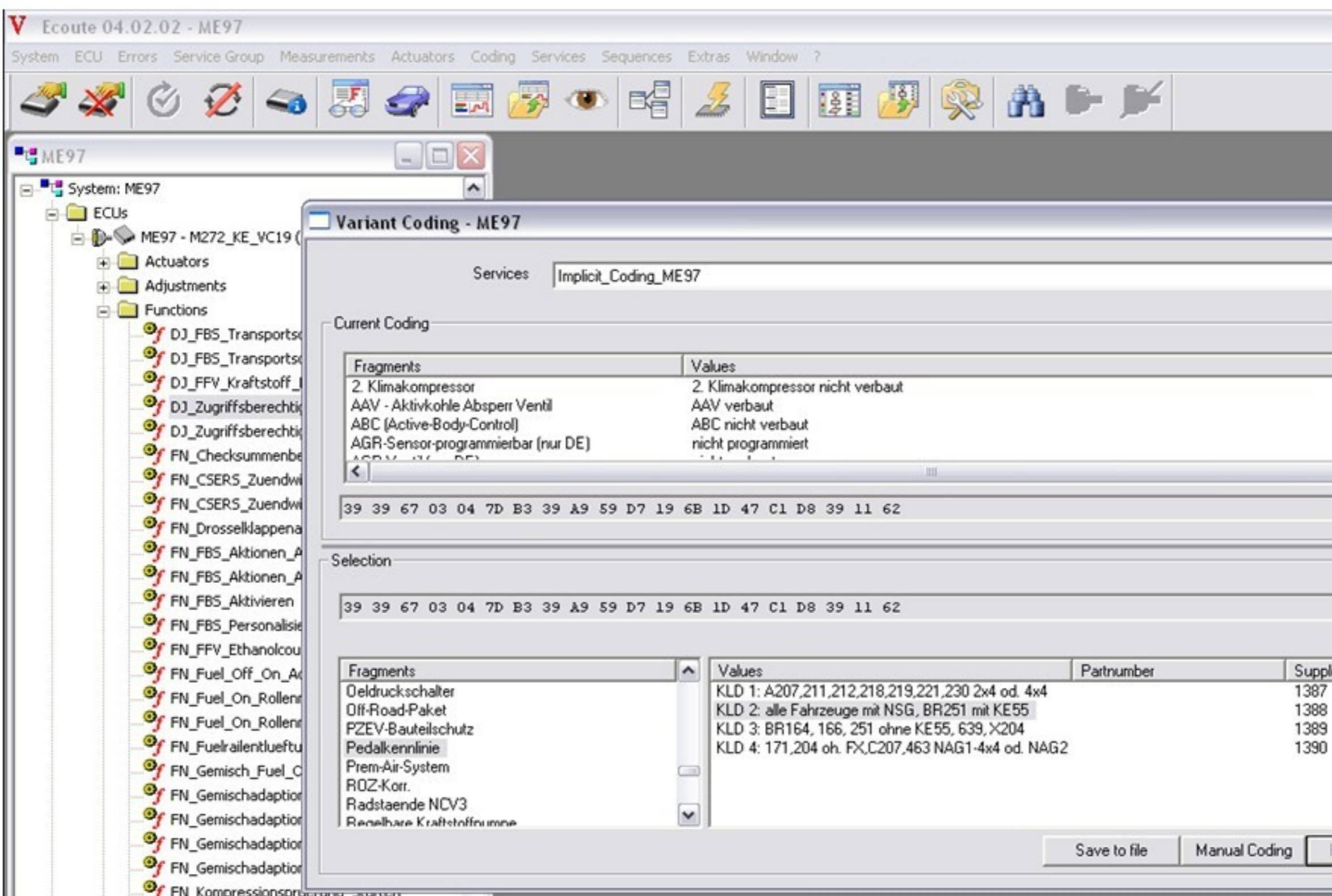
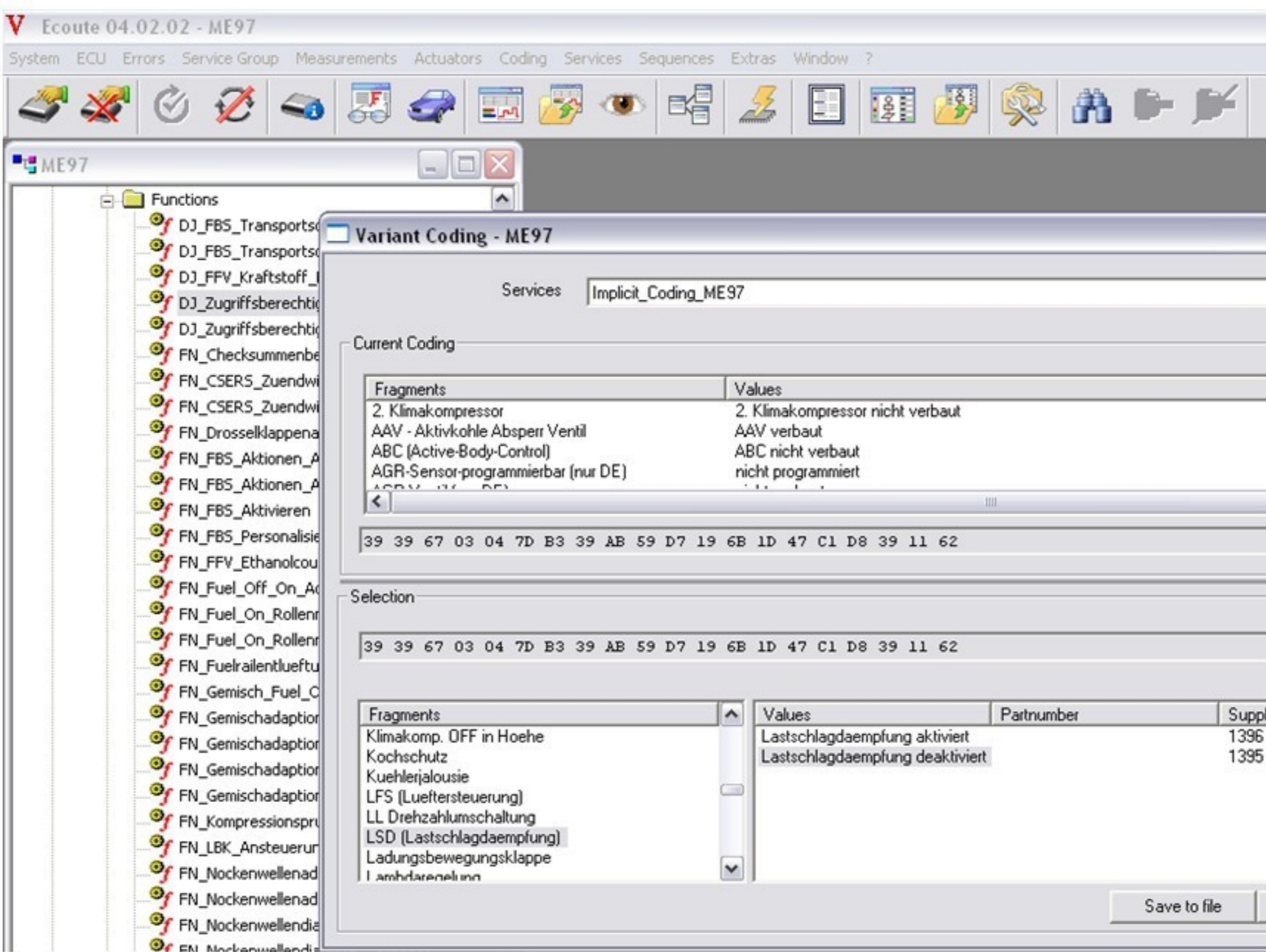
ECU: CR43, MED177 or other Engine ECU
 Hard reset sollte hinterher durchgeführt werden
 Hard reset should be performed afterwards

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

Forum comments for this coding:

okay I successfully coded sim271de20 with latschlag, momentbegreuzung 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

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	Suppl
Klimakomp. OFF in Hoehe	Lastschlagdaempfung aktiviert		1396
Kochschutz	Lastschlagdaempfung deaktiviert		1395

Save to file

Ecoute 04.02.02 - ME97

System ECU Errors Service Group Measurements Actuators Coding Services Sequences Extras Window ?

ME97

System: ME97

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	Suppl
Oeldruckschalter	KLD 1: A207,211,212,218,219,221,230 2x4 od. 4x4		1387
Off-Road-Paket	KLD 2: alle Fahrzeuge mit NSG, BR251 mit KE55		1388
PZEV-Bauteilschutz	KLD 3: BR164, 166, 251 ohne KE55, 639, X204		1389
Pedalkennlinie	KLD 4: 171,204 oh. FX,C207,463 NAG1-4x4 od. NAG2		1390

Save to file Manual Coding

Ecoute 04.02.02 - ME97

System ECU Errors Service Group Measurements Actuators Coding Services Sequences Extras Window ?

ME97

System: ME97

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	Suppl
Mechanische Unterdruckpumpe	Momentenbegrenzung aktiviert		1730
Momentenbegrenzung Parametersatz 2	Momentenbegrenzung deaktiviert		1731

Save to file

Ecoute 04.02.02 - ME97

System ECU Errors Service Group Measurements Actuators Coding Services Sequences Extras Window ?

ME97

System: ME97

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	Suppl
Mechanische Unterdruckpumpe	Fehler		2003
Momentenbegrenzung Parametersatz 2	Momentenerh. erlaubt, Ueberw. im GSG		2001
Momentenbegrenzung	Momentenerh. erlaubt, Ueberw. im MSG		2002
Momentenerhoehung Getriebe	Momentenerhoehung vom EGS nicht zulaessig		2000

Save to file Manual Codr

2.11 PTC – acoustic signal at first led

ECU: PTS_212

Hard reset should be performed afterwards

PTS_212

icegruppe Messwerte Steller Kodierung Dienste Abläufe Extras Fenster ?

Varianten Kodierung - PTS_212

Dienste:

Aktuelle Kodierung

Fragmente	Werte
Frequenz Front	f2 = 845Hz
Frequenz Heck	f2 = 845Hz
Lautstärke Front	Volume 3 (100%)
Lautstärke Heck	Volume 3 (100%)

020 020 020 020 019 019

Auswahl

020 020 020 020 019 019

Fragmente	Werte	Teil-Nummer	Supplement Key
Frequenz Front	aktiv		D009
Frequenz Heck	nicht aktiv		D008
Lautstärke Front			
Lautstärke Heck			
Permanente Tonausgabe Front			
Permanente Tonausgabe Heck			

Speichern in Datei | Manuell Kodieren | SG-Kodieren

TS_212

icegruppe Messwerte Steller Kodierung Dienste Abläufe Extras Fenster ?

Varianten Kodierung - PTS_212

Dienste:

Aktuelle Kodierung

Fragmente	Werte
Frequenz Front	f2 = 845Hz
Frequenz Heck	f2 = 845Hz
Lautstärke Front	Volume 3 (100%)
Lautstärke Heck	Volume 3 (100%)

020 020 020 020 019 019

Auswahl

020 020 020 020 019 019

Fragmente	Werte	Teil-Nummer	Supplement Key
Frequenz Front	aktiv		D00H
Frequenz Heck	nicht aktiv		D00G
Lautstärke Front			
Lautstärke Heck			
Permanente Tonausgabe Front			
Permanente Tonausgabe Heck			

Speichern in Datei | Manuell Kodieren | SG-Kodieren

- 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

Varianten Kodierung - ESP212

Dienste: VCD_Konfigurationen

Aktuelle Kodierung

Fragmente	Werte
ADTR vorhanden	ja
Anhaengerstabilisierung	ja
Antriebsvariante	Allrad
Attention Assist	ja
...	...

083 126 008 146

Auswahl

083 126 008 146

Fragmente	Werte	Teile-Nummer	Supplement Key
Attention Assist Empfindlichkeitsschwellen	ja		019S
Fallboost	nein		019R
Federungssteuergerät verbaut			
Getriebetyp			
Hill Start Assist			
Hold			
Laendercode			
Lenkunterschwelle			

Speichern in Datei Manuell Kodieren SG-Kodieren

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

Varianten Kodierung - ESP212

Dienste: VCD_Konfigurationen

Aktuelle Kodierung

Fragmente	Werte
ADTR vorhanden	ja
Anhaengerstabilisierung	ja
Antriebsvariante	Allrad
Attention Assist	ja

083 126 008 146

Auswahl

083 126 008 146

Fragmente	Werte	Teile-Nummer	Supplement Key
Attention Assist Empfindlichkeitsschwellen	ja		019M
Failboost	nein		019L

Speichern in Datei | Manuell Kodieren | SG-Kodieren

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"

The screenshot shows the 'Variant Coding - SAMF_212' window. The 'Services' dropdown is set to 'VCD_Parameter_Sidemarker'. The 'Current Coding' section displays a table of parameters and their values, with a binary code '000 000 000 000 000 000 000 000' below it. The 'Selection' section also shows a binary code '000 000 000 000 000 000 000 000' and a table of parameters. The 'SML_als_FRA' parameter is highlighted in blue in the list, and its value 'aktiviert' is visible in the table. At the bottom, there are buttons for 'Save to file', 'Manual Coding', 'ECU-Coding', and 'Close'.

Services: VCD_Parameter_Sidemarker

Current Coding

Fragments	Values
OpenLoad Sidemarker links	0 mA
OpenLoad Sidemarker rechts	0,00 A
OpenLoad_Erkennung(5)	nein
SML_HI_enable	nein
SML_HI_enable_27	aktiviert

000 000 000 000 000 000 000 000

Selection

000 000 000 000 000 000 000 000

Fragments	Values	Partnumber	Supplement Key
SML_Lampenspannung	aktiviert		05wI
SML_RE_Fehler25	nicht aktiviert		05wH
SML_RE_Fehler26			
SML_VD_enable			
SML_als_FRA			
ShortCircuit Sidemarker links			
ShortCircuit Sidemarker rechts			
Taktung(5)			

Save to file Manual Coding ECU-Coding Close

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"

The screenshot shows the 'Variant Coding - SAMF_212' window. At the top, the 'Services' dropdown is set to 'VCD_Parameter_Sidemarker'. Below this, the 'Current Coding' section contains a table with two columns: 'Fragments' and 'Values'. The table lists several parameters and their current values. Below the table is a row of ten '0' characters. The 'Selection' section also contains a row of ten '0' characters. Below that is a table with four columns: 'Fragments', 'Values', 'Partnumber', and 'Supplement Key'. The 'Fragments' column lists several parameters, with 'SML_HI_enable' and 'SML_VO_enable' highlighted in yellow. The 'Values' column shows 'ja' and 'nein'. The 'Partnumber' column shows '05T1' and '05T0'. The 'Supplement Key' column is empty. At the bottom of the window, there are four buttons: 'Save to file', 'Manual Coding', 'ECU-Coding', and 'Close'.

Services: VCD_Parameter_Sidemarker

Current Coding

Fragments	Values
OpenLoad Sidemarker links	0 mA
OpenLoad Sidemarker rechts	0,00 A
OpenLoad_Erkennung(5)	nein
SML_HI_enable	nein
SML_VO_enable	nein

000 000 000 000 000 000 000 000

Selection

000 000 000 000 000 000 000 000

Fragments	Values	Partnumber	Supplement Key
SML_HI_enable	ja		05T1
SML_VO_enable	nein		05T0

Save to file | Manual Coding | ECU-Coding | Close

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 Temperature offset to set the air condition colder

ECU: HVAC_212

Hard reset should be performed afterwards

Varianten Kodierung - HVAC_212

Dienste: VCD_Variantenkodierung

Aktuelle Kodierung

Fragmente	Werte
ACOFFNORAMP	ja
AQLOGIK	Keine
AUTOACEIN	ja
AUTODELUML	ja

096 096 006 224 024 003 042 028 227 067 144 080 001 148 128 001

Auswahl

096 096 006 224 024 003 042 028 227 067 144 080 001 148 128 001

Fragmente	Werte	Teil-Nummer	Supplement Key
SUNFAKTOR	+0K		
SWINFKTREST	+10K		
SmellTreshholdActive	+1K		
Speicherverdampfer	+2K (Serie)		
SwInFktStHz	+3K		
TEILUMKL15AUS	+4K		
TEMPOFFSET	+5K		
TaTreshhold	+6K		

Speichern in Datei | Manuell Kodieren | SG-Kodieren

2.15.2 Ventilation bars in display turned on in auto modus

ECU: HVAC_212

Hard reset should be performed afterwards

Varianten Kodierung - HVAC_212

Dienste: VCD_Variantenkodierung

Aktuelle Kodierung

Fragmente	Werte
ACOFFNORAMP	ja
AQLOGIK	Keine
AUTOACEIN	ja
AUTODELUML	ja
AUTODELUML	.

096 096 006 224 024 003 042 028 227 067 144 080 001 148 128 001

Auswahl

096 096 006 224 024 003 042 028 227 067 144 080 001 148 128 001

Fragmente	Werte	Teile-Nummer	Supplement Key
DEFSAVEACOFF	ja		
DESERT	nein		
Direktstart			
EKMV			
EnableStartStop			
EnergieSparSw			
FANANZAUTOEIN			
FANSPRACHREFD			

Speichern in Datei | Manuell Kodieren | SG-Kodieren

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

Varianten Kodierung - HU_204

Dienste: VCD_HU_Parameter

Aktuelle Kodierung

Fragmente	Werte
Address book(2)	activated
Aircondition Status	advance
Attention Assist	installed
Audio AUX	off

001 229 000 163 047 001 014 170 002 008 000 000

Auswahl

001 229 000 163 047 001 014 170 002 008 000 000

Fragmente	Werte	Teil-Nummer	Supplement Key
Address book(2)	advance		UEU4
Aircondition Status	off		UEU2
Attention Assist	simple		UEU3

Speichern in Datei Manuell Kodieren SG-Kodieren

2.15.4 Change Country coding

ECU: HVAC_204

change LAENDERCODIERUNG to :

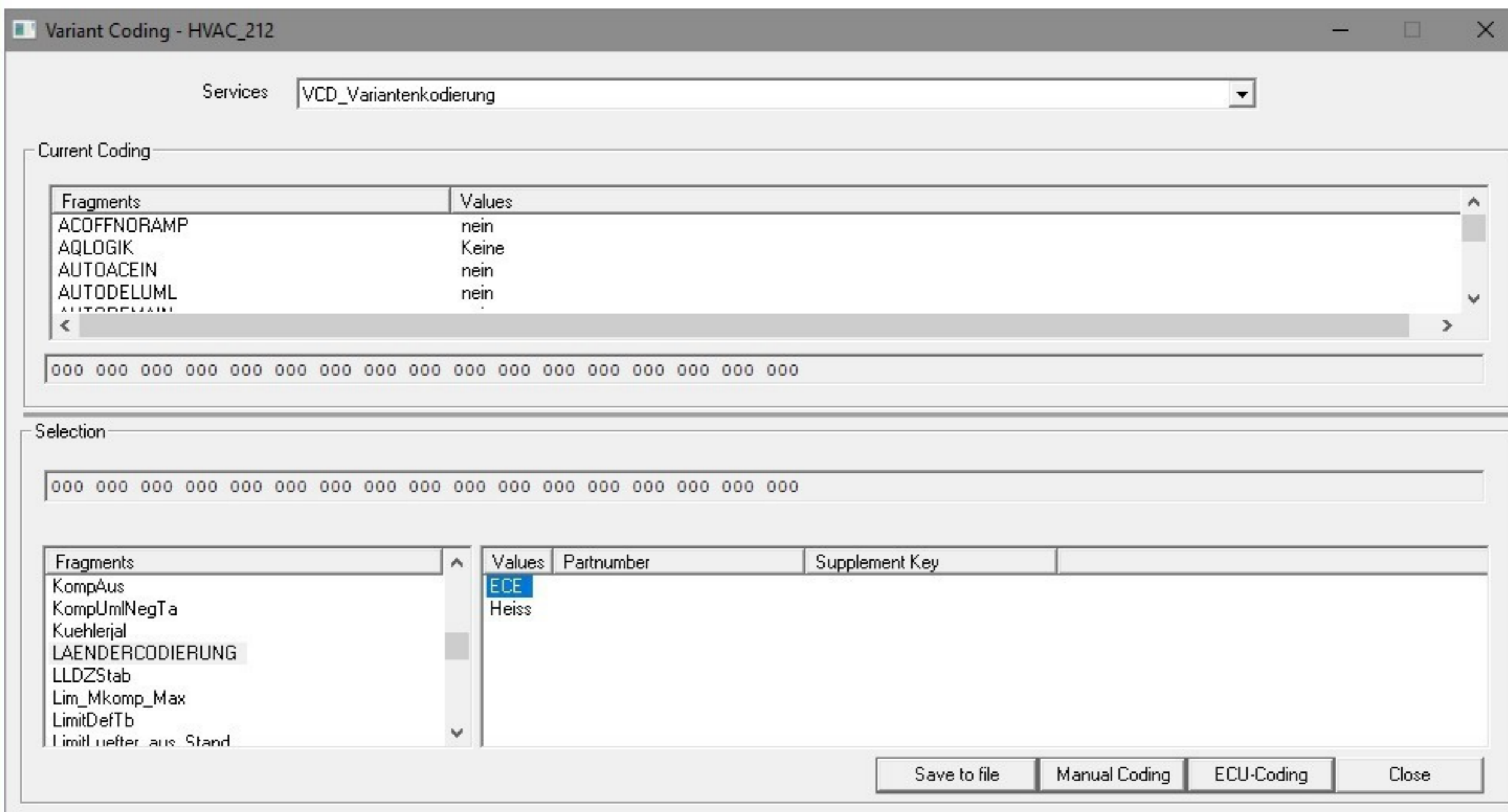
ECE

Heissland = Hotland

Soft

Japan

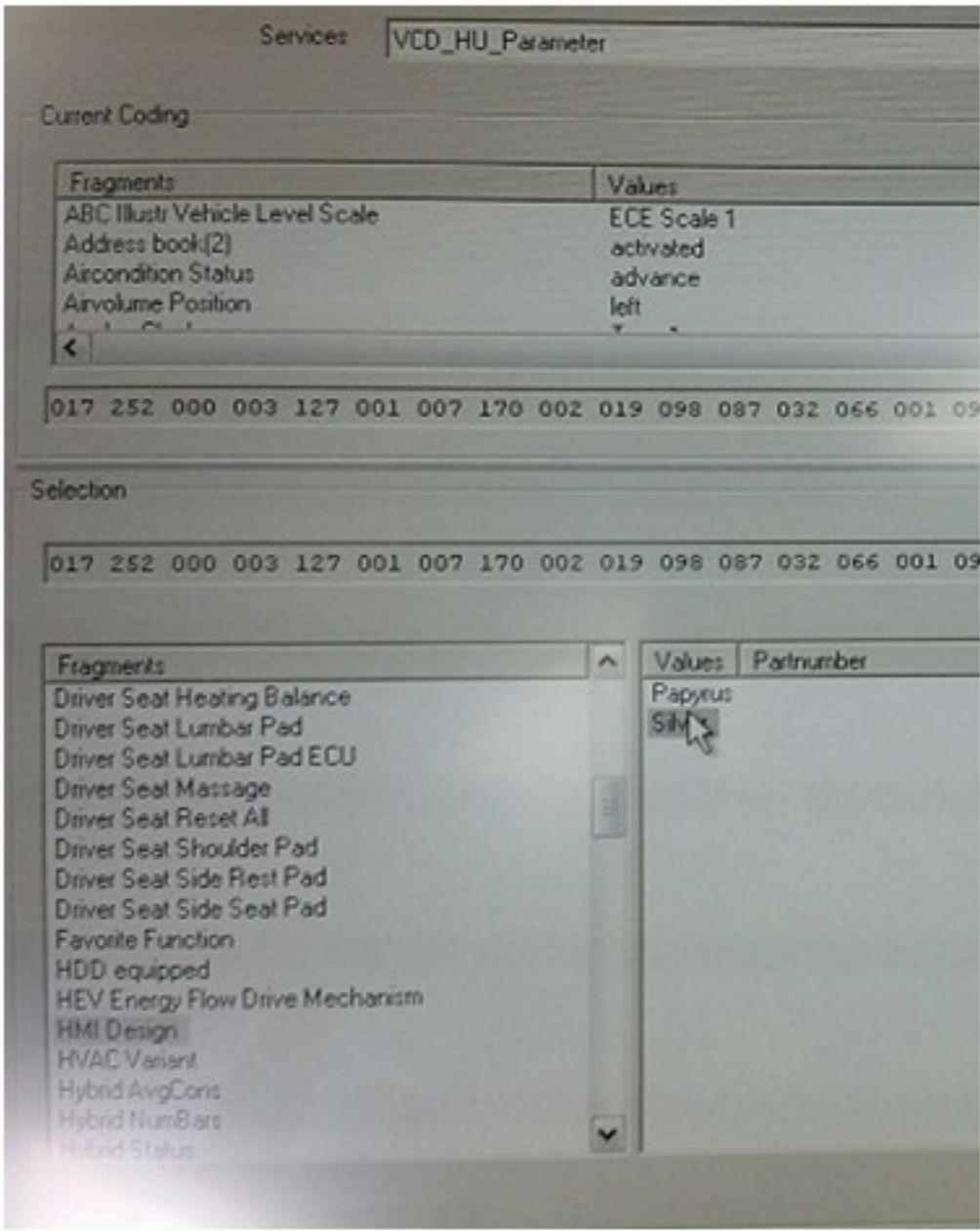
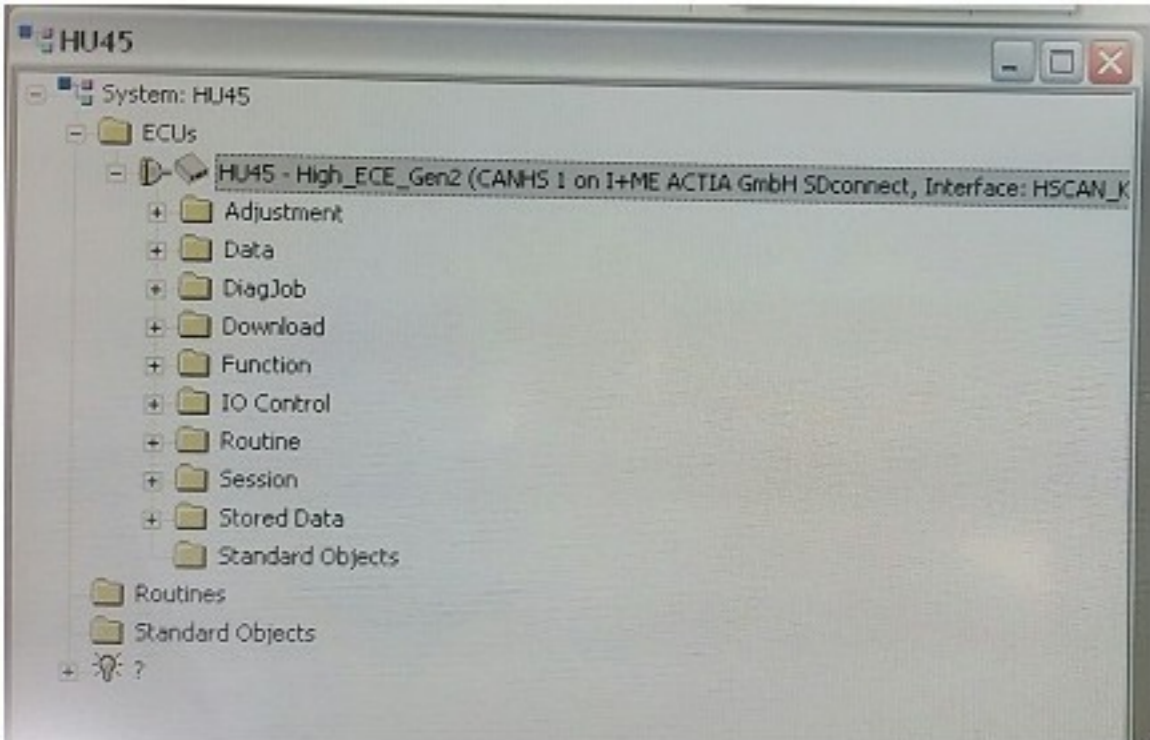
The options are dependand of the formware version



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

Varianten Kodierung - SPC_204

Dienste:

Aktuelle Kodierung

Fragmente	Werte
Variante Niveauregulierung 1	S212-4x4-MCG ROW
Variante Verstelldämpfung	S212-4x4-MCG

Auswahl

Fragmente	Werte	Teile-Nummer	Supplement Key
Variante Niveauregulierung 1	C218-MCG ROW		
	C218-MCG USA		
	S212-4x4-MCG ROW		
	S212-4x4-MCG USA		
	S212-AMG ROW		
	S212-AMG USA		
	S212-MCG ROW		
	S212-MCG USA		

Damping change to AMG

Varianten Kodierung - SPC_204

Dienste:

Aktuelle Kodierung

Fragmente	Werte
Variante Niveauregulierung 1	S212-4x4-MCG ROW
Variante Verstelldämpfung	S212-4x4-MCG

Auswahl

Fragmente	Werte	Teile-Nummer	Supplement Key
Variante Niveauregulierung 1	R231-AMG		
	R231-MCG		
	S204-MCG		
	S212-4x4-MCG		
	S212-AMG		
	S212-MCG		
	W204-MCG		
	W204-MCG-ROD		

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

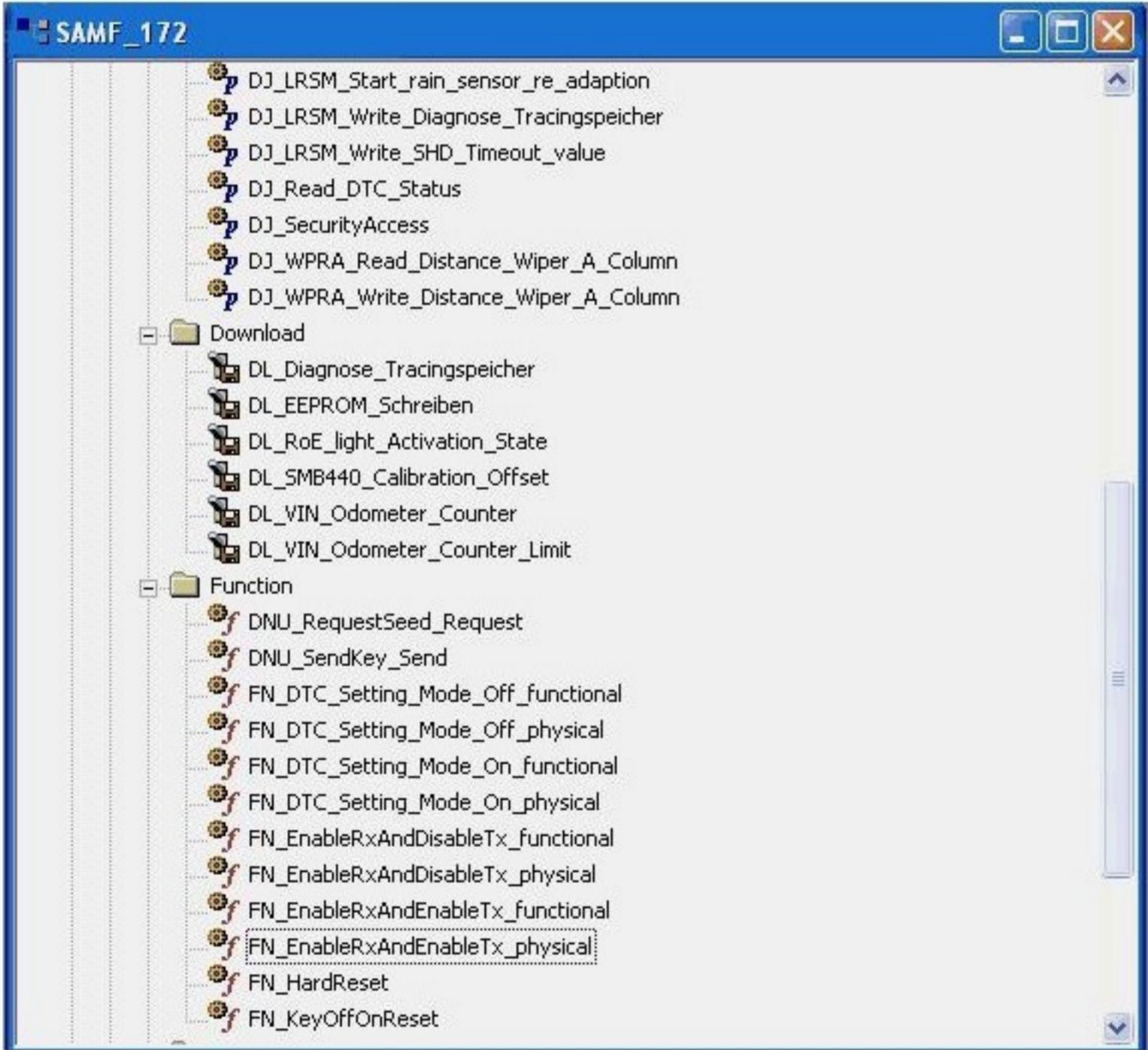
2.19 Turn on LED bow with daylights - not tested - 204 & X204



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



Varianten Kodierung - SAMF_172

Dienste:

Aktuelle Kodierung

Fragmente	Werte
Freigabe Fehler links	nicht aktiv
Freigabe Fehler rechts	nicht aktiv
PLSM_AFS_Rq	nein
PLSM_IHC_Rq	nein

000 000 000 000 000 000 000 000 000 000 000 000 000 000

Auswahl

064

064 000 000 000 000 000 000 000 000 000 000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
PLSM_TFL_HLI	ja		13wP
PLSM_TFL_NMOT_Timer	nein		13wN
PLSM_TFL_Nacht			
PLSM_TFL_POS			
PLSM_TFL_STL			
PLSM_TFL_StartUpTimer			
PLSM_TFL_Tag			
PLSM_TFL_effectiv			

Speichern in Datei Manuell Kodieren SG-Kodieren

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 possibilities - 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:



The screenshot shows the 'Varianten Kodierung - HU5_ENTRY' window in the Ecoute/CAESAR simulation software. The 'Dienste' dropdown is set to 'VCD_Several_Applications'. The 'Aktuelle Kodierung' table shows the following data:

Fragmente	Werte
AMG Design Variant	off
ASIA Market	off
Air Condition Fond	not installed
Air Condition Type	HVAC base

Below this, there is an 'Auswahl' section with a row of zeros. A legend table is also present:

Fragmente	Werte	Teile-Nummer	Supplement Key
C150 Diagnostic Settings	Type 1	normal mode	
Screen	Type 2	AMG	
Copy Function music	Type 3	AMG boarded	
Display Corona	Type 4	void	

The bottom status bar shows the time 22:39:58 and a warning message: 'Warnung: Arbeitsverzeichnis nicht gefunden (C:\02_DATA\VediamoDaten_CBF\HU5\HU5_ENTRY)'. The taskbar at the bottom indicates 'Bereit' and 'HU5_ENTRY - <Basisvariante> [Sim 0 an Simulation, Interface: NULL]'.

2.21.3 Speedlimit assistant in comand

need to be tested

ECU:

HU5_ENTRY

HU5

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

Varianten Kodierung - HU5_ENTRY

Dienste: VCD_Navi_Application

Aktuelle Kodierung

Fragmente	Werte
Compass	off
MPC Speed limit Display	Off
Navigation ON/OFF	off
Support of ADAS	Off
Support of long Range ADAS	off

000 000 000 000 000 000

Auswahl

000 000 000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
Compass	Map-Based		
MPC Speed limit Display	Off		
Navigation ON/OFF	TSA-Based		
Support of ADAS	reserved		
Support of long Range ADAS			

Speichern in Datei Manuell Kodieren SG-Kodieren

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

Variant Coding - HU5

Services: VCD_Several_Applications

Current Coding

Fragments	Values
AMG Design Variant	off
AMG Sport	off
Air Condition Fond	not installed
Air Condition Ionization	not installed
Air Condition Sport	not installed

000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000

Selection

002 008 008

000 002 000 000 000 000 000 000 000 000 000 000 000 000 000 000 008 008 000

Fragments	Values	Partnumber	Supplement Key
Klima Market Air Distribution	danish		
Language	dutch		
Musicserver	english (uk)		
POI over SDS	english (us)		
Panel Heating FL	english (us) for jpn		
Panel Heating FR	french		
Panel Heating RL	german		
Panel Heating RR	italian		

Save to file Manual Coding ECU-Coding Close

2.21.6 Turning on of ripping feature for cds

need to be tested

ECU:HU5

Services: VCD_Several_Applications

Current Coding

Fragments	Values
AMG Design Variant	off
AMG Sport	off
Air Condition Fond	not installed
Air Condition Ionization	not installed

000 000

Selection

002 008 008

000 002 000 000 000 000 000 000 000 000 000 000 000 000 000 000 008 008 000

Fragments	Values	Partnumber	Supplement Key
Boot lid opening limiter	off		
C190	on		
CI Screen			
Consumption Scale Max			
Copy Function music			
Dictate SMS			
Display Corona			
Display Frame Rate			

Save to file Manual Coding ECU-Coding Close

Services: VCD_Several_Applications

Current Coding

Fragments	Values
AMG Design Variant	off
AMG Sport	off
Air Condition Fond	not installed
Air Condition Ionization	not installed

000 000

Selection

006 008 008

000 006 000 000 000 000 000 000 000 000 000 000 000 000 000 008 008 000

Fragments	Values	Partnumber	Supplement Key
Privacy Interior Mirror	off		
Rear Window	on		
Rearseat entertainment			
Ripping Function music			
SCV - Speed Controlled Volume			
SDS/TTS			
Seat - Driving dynamical Seat			
Seat - Heated Seat Area Balance			

Save to file Manual Coding ECU-Coding Close

2.21.7 Turning on AMG design variant

need to be tested

ECU:
HU5

turn to on.

The screenshot shows the 'Variant Coding - HU5' window. At the top, the 'Services' dropdown is set to 'VCD_Several_Applications'. Below this, the 'Current Coding' section displays a table of settings:

Fragments	Values
AMG Design Variant	off
AMG Sport	off
Air Condition Fond	not installed
Air Condition Ionization	not installed

Below the table is a binary code field: 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000.

The 'Selection' section shows a binary code field with '008' in the 15th position: 000 000 000 000 000 000 000 000 000 000 000 000 000 000 008 000 000.

Below the selection field is a table with columns for 'Fragments', 'Values', 'Partnumber', and 'Supplement Key':

Fragments	Values	Partnumber	Supplement Key
AMG Design Variant	off		
AMG Sport	on		
Air Condition Fond			
Air Condition Ionization			
Air Condition Scent Generation			
Air Condition Type			
Alternative Drive Type			
Ambient light			

At the bottom of the window are four buttons: 'Save to file', 'Manual Coding', 'ECU-Coding', and 'Close'.

2.21.8 AMG Sport option - needs to be tried out

need to be tested

ECU: HU5

Variant Coding - HU5

Services: VCD_Several_Applications

Current Coding

Fragments	Values
AMG Design Variant	off
AMG Sport	off
Air Condition Fond	not installed
Air Condition Ionization	not installed
Air Condition Scent Generation	not installed
Air Condition Type	not installed
Alternative Drive Type	not installed
Ambient light	not installed

000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000

Selection

000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 008 008 000

Fragments	Values	Partnumber	Supplement Key
AMG Design Variant	off		
AMG Sport	on		
Air Condition Fond			
Air Condition Ionization			
Air Condition Scent Generation			
Air Condition Type			
Alternative Drive Type			
Ambient light			

Save to file | Manual Coding | ECU-Coding | Close

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

Ecoute/CAESAR 05.01.01 - HU5_ENTRY

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

Varianten Kodierung - HU5_ENTRY

Dienste: VCD_Several_Applications

Aktuelle Kodierung

Fragmente	Werte
AMG Design Variant	off
ASIA Market	off
Air Condition Fond	not installed
Air Condition Type	HVAC base

000 000

Auswahl

000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
Energy-Screen Bars-Number	off		
Engineering Mode	on		
Exterieur Mirror convenience			
External FAN			
Fading Subfunction Line			
Feature Set			
Feature Temperature			

Speichern in Datei | Manuell Kodieren | SG-Kodieren | Schließen

2.22 Command 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

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

ME97

System: ME97

- Steuergeräte
 - ME97 - M272
 - Abgleiche
 - Allgemeine D
 - Funktionen
 - Messwerte
 - Prozeduren
 - Steller
 - Standardobj
 - DELAY-SERVICE
 - Abläufe
 - Standardobjekte
 - ?

Varianten Kodierung - ME97

Dienste:

Aktuelle Kodierung

Fragmente	Werte
2. Klimakompressor	2. Klimakompressor nicht verbaut
AAV - Aktivkohle Absperr Ventil	AAV nicht verbaut
ABC (Active-Body-Control)	ABC nicht verbaut
AGR-Sensor-programmierbar (nur DE)	nicht programmiert

078 078 103 098 003 125 131 059 171 089 137 031 079 017 115 193 217 033 113 098

Auswahl

002

078 078 103 098 003 125 131 059 169 089 137 031 079 017 115 193 217 033 113 098

Fragmente	Werte	Teile-Nummer	Supplement Key
Schichtverbot (nur DE)	Sounddesign aktiviert		2071
Schlechtspit	Sounddesign deaktiviert		2070
Schwefelgehalt (nur DE)			
Sekundaerluftdiagnose			
Sound Design			
TV-Korr. / Regelschw. LRHK			
Tankdichte-Pruefung			
Tanksteuergerät (FSCM)			

Speichern in Datei Manuell Kodieren SG-Kodieren Schließen

21:20:03 Dienst HU_204::FN_ECU_Reset ausgeführt.
21:20:03 Kontakt mit Steuergerät HU_204 verloren.
21:20:22 Aktuelles System ist nicht mehr gültig.
21:20:52 System ME97 geladen
21:20:52 ME97: SGML-Version:0.19.12
21:20:55 Kontakt mit Steuergerät ME97 hergestellt.

Bereit

ME97 - M272_KE_VC15 (CANHS 1 an I+ME ACTIA GmbH SDconnect, Interface: HSCAN_KW2C3PE_500)

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 Fahrdynamic to "Fahrdynamicpaket verbaut"

Varianten Kodierung - MED97

Dienste:

Aktuelle Kodierung

Fragmente	Werte
2. Klimakompressor	2. Klimakompressor nicht verbaut
AAV - Aktivkohle Absperr Ventil	AAV nicht verbaut
ABC (Active-Body-Control)	ABC nicht verbaut
AGR-Sensor-programmierbar	nicht programmierbar

000 000

Auswahl

004

000 000 000 000 000 000 000 000 004 000 000 000 000 000 000 000 000 000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
EZS (Elektronisches Zuenschloss)	Fahrdynamikpaket nicht verbaut		1410
Erw. LFS (TGet.oel-anf)	Fahrdynamikpaket verbaut		1411
Erweiterte Diagnose Umgebungstemperatur			
FGR (Fahrgeschwindigkeitsregler)			
Fahrdynamikpaket			
Fehlerkennung ECT in Kombi aktiv			
Freigabe PNC -GM1			
Generator			

Speichern in Datei | Manuell Kodieren | SG-Kodieren

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



Given 100 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"

The screenshot shows a tree view of ECU components. The 'Function' folder is expanded, showing several sub-items with a gear icon and a red 'f' symbol, indicating they are functions. The 'Routines' folder is also visible at the bottom of the tree.

- ECUs
 - CGW_212 - AJ2011_1 (CANHS 1 on I+ME ACTIA GmbH SDconnect, Interface: F
 - Data
 - DiagJob
 - Download
 - Function
 - DNU_RequestSeed_R
 - DNU_SendKey_Send
 - FN_DTC_Setting_Mo
 - FN_DTC_Setting_Mo
 - FN_DTC_Setting_Mo
 - FN_DTC_Setting_Mo
 - FN_EnableRxAndDisa
 - FN_EnableRxAndDisa
 - FN_EnableRxAndEna
 - FN_EnableRxAndEna
 - FN_HardReset
 - Routine
 - Session
 - Stored Data
 - Standard Objects
 - DELAY-SERVICE
 - Routines
 - Standard Objects

The screenshot shows the 'Variant Coding - CGW_212' dialog box. The 'Services' dropdown is set to 'VCD_02_global_variant_coding'. The 'Current Coding' section displays a table of fragments and values, along with a hexadecimal representation of the coding. The 'Selection' section shows a similar table. The 'Fragment' 'Totwinkel-Erkennung' is highlighted in blue. The 'Values' column shows 'available' and 'not available' with corresponding 'Partnumber' and 'Supplement Key' values. The 'How to Deactivate Blind Spot monitor in the car' text is visible in red. The bottom of the dialog has buttons for 'Save to file', 'Manual Coding', and 'ECU-Coding'.

Services: VCD_02_global_variant_coding

Current Coding

Fragments	Values
-(494/460/498/625/819L) vollst?ndiges Ersatzlic...	not available
-- Option Pack	Avantgarde
--- ?nderungsjahr Jahr	2011
--- ?nderungsjahr Paket	package /2

000 000 029 032 192 132 210 000 016 002 046 032 000 203 073 000 062 064 017 000 000 000 000 000

Selection

Fragments	Values	Partnumber	Supplement Key
Taxi Hilferuf vorhanden	available		400J
Totwinkel-Erkennung	not available		400I
Vario Steering System			
Verteilergetriebe vorhanden			
Warnleuchten			
Zuziehhilfe vorhanden			

How to Deactivate Blind Spot monitor in the car

Save to file Manual Coding ECU-Coding

2.31 Deactivate or activate folding mirrors

ECU:CGW and IC

Variant Coding - CGW_204

Services: VCD_02_global_variant_coding

Current Coding

Fragments	Values
-(494/460/498/625/819L) vollständiges Ersatzlic...	not available
-- Option Pack	Avantgarde
--- Baureihe	BR204
--- DC-Group	Mercedes Benz, Maybach

000 000 028 032 000 064 210 000 016 003 035 032 000 203 073 000 025 000 000 000 000 000 000

Selection

000 000 028 032 000 064 210 000 016 003 035 032 000 203 073 000 025 000 000 000 000 000 000

Fragments	Values	Partnumber	Supplement Key
423/427 Automatikgetriebe	available		01YN
440 Bremsender Tempomat	not available		01YM

Folding Mirrors Code: 500

Save to file | Manual Coding | ECU-Coding | Close

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.

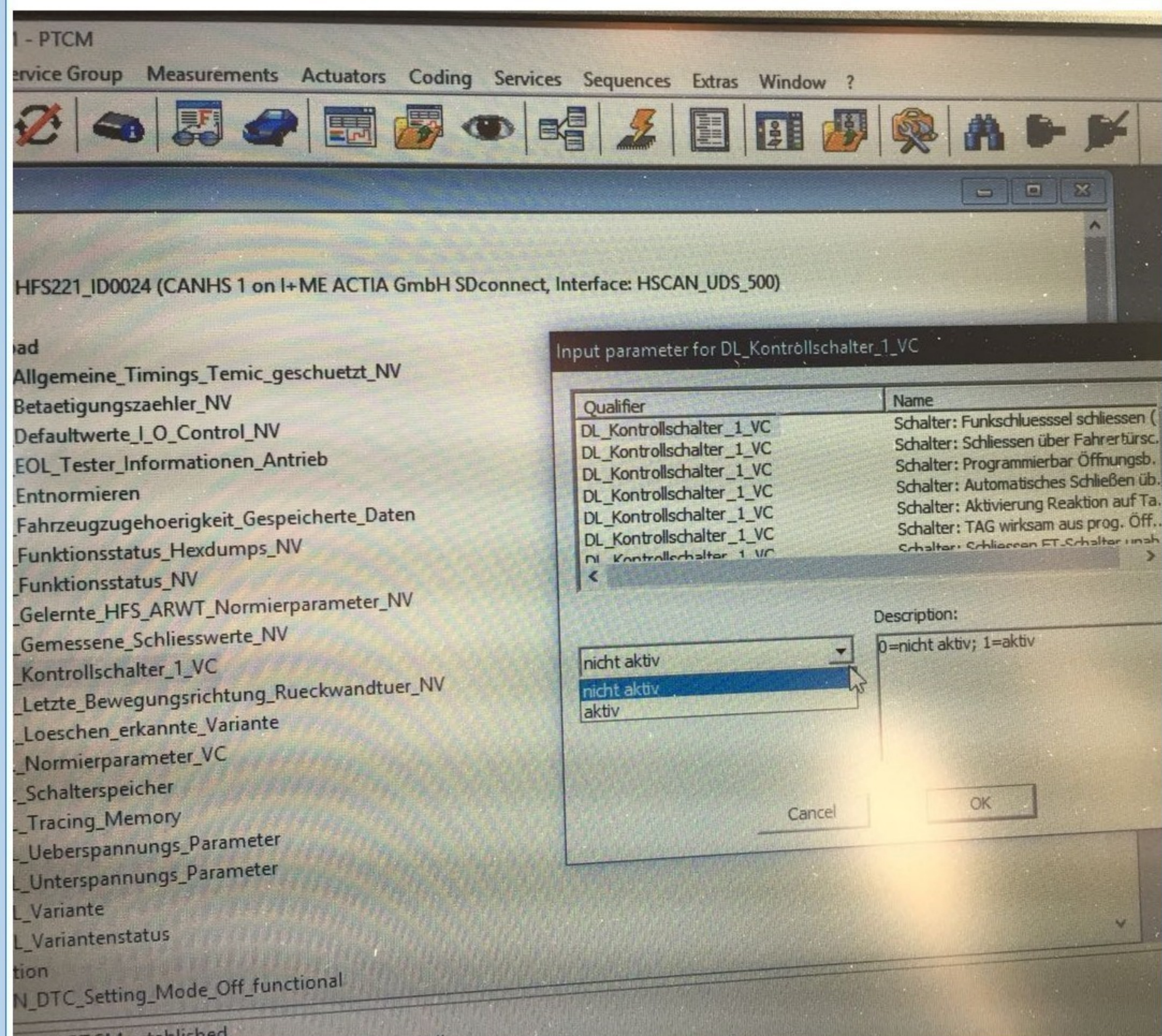
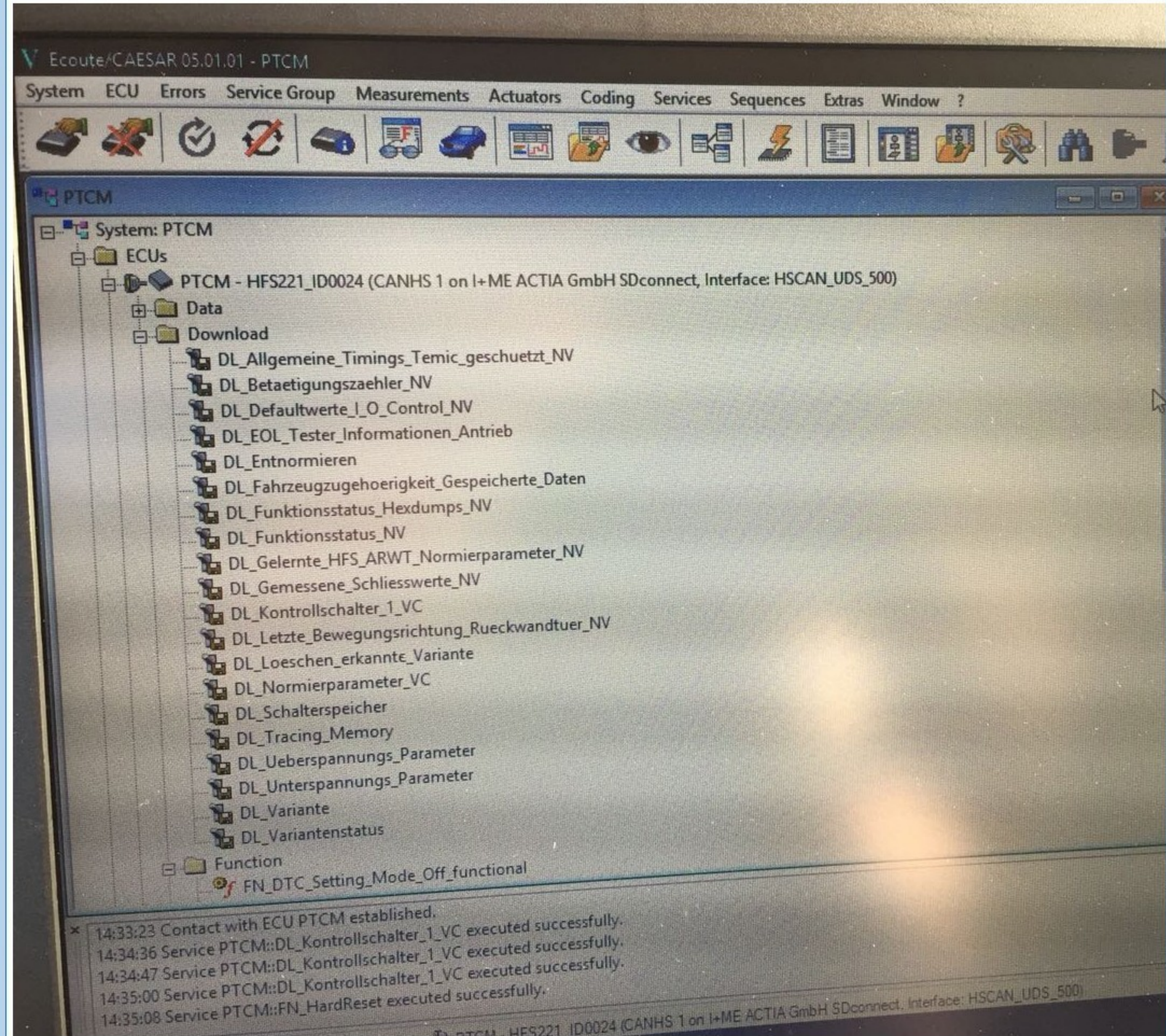
```

114 Fragmente
115 -----
116 Geschwindigkeitsparameter Stillstandserkennung (PSTA_TRNotMoving_pcs) VC 4%/s 0555
117 Status Zwischenstellung (PINP_IntermedPosAvtive) VC aus 055V
118 Untere PWM Abschaltgrenze (POUT_PWMLowerLimit_pc) VC 0% 055T
119
120 Kodierstring Dez.: 130 000 000 000 000
121
122 Kodierdienst: 11.VCD_SCN_Betaetigungszaehler_NV
123
124 Fragmente
125 -----
126 HFS/ARWT Betaetigungszaehler (POUT_TrunkActionCounter) NV ?
127
128 Kodierstring Dez.: 019 001
129
130 Kodierdienst: 12.VCD_SCN_Bremse_VC
131
132 Fragmente
133 -----
134 Bremsenansteuerung: Verlängerte Ansteuerungszeit Kupplung nach Stop (PAC2_TimeCTRPlusFEAct_s) VC 1.0s 03AG
135 Bremsenrutschen: Getriebefaktor (PSAF_ClutchSlipGearFact) VC 0,0231 039Y
136 Bremsenrutschen: Schalter Schlupferkennung ein (CSYS_ClutchSlipDetectOn_b) VC ein 036S
137 Bremsenrutschen: Schlupfgrenze Schliessen (PSAF_ClutchSlipLimCl) VC 1.0 038B
138 Bremsenrutschen: Schlupfgrenze Öffnen (PSAF_ClutchSlipLimOp) VC Dummy 06YL
139 Bremsenrutschen: Stall Toleranz Kupplung (PSAF_ClutchStalTol) VC 15 038F
140 Bremsenrutschen: Wartezeit ab der Schlupferkennung aktiv (PSAF_ClutchSlipTWait_s) VC 0.6s 0376
141 Bremsenrutschen: Zeitkonstante Schlupf-Filter (PSAF_TFiltClutchSlip_s) VC 0.04s 039I
142
143 Kodierstring Dez.: 001 000 030 004 205 016 000 000 015 000 002 000 095 000 050
144
145 Kodierdienst: 13.VCD_SCN_Geschwindigkeiten_Schnell_Oeffnen_VC
146
147 Fragmente
148 -----
149 Oeff: 1. Zwischenwert Geschwindigkeit (PTRA_VOpen2_pcs) VC(2) 18%/s 04YX
150 Oeff: 2. Zwischenwert für Geschwindigkeit (PTRA_VOpen3_pcs) VC(2) 15%/s 050G
151 Oeff: 3. Zwischenwert für Geschwindigkeit (PTRA_VOpen4_pcs) VC(2) 8%/s 051X
152 Oeff: Endwert Geschwindigkeit (PTRA_VOpen5_pcs) VC(2) 6%/s 053H
153 Oeff: Startwert Geschwindigkeit (PTRA_VOpen1_pcs) VC(2) 20%/s 04XB
154 Rücklauf HFS: Verstärkungsfaktor beim zurückfahren (PTRA_ReverseHighGearFact) VC(2) 0 0543
155
156 Kodierstring Dez.: 138 000 137 000 135 128 132 000 131 000 000 000
157
158 Kodierdienst: 14.VCD_SCN_Kontrollschalter_Eigendiagnose
159
160 Fragmente
161 -----
162 Kontrollschalter Eigendiagnose ?
163
164 Kodierstring Dez.: 220 255 255 255 255 255 255 255 063 007 255 255 255 251
165
166 Kodierdienst: 15.VCD_SCN_Kupplung_VC
167
168 Fragmente
169 -----
170 Antriebsnachlauf: Ansteuerzeit im Schloss (POUT_HoldTimeAfterClosing_s) 0.1s 03H8
171 Kupplung: Geschwindigkeits Schwellwert für Fallerkennung (PAC2_ActSpeedActClutch_pcs) VC -7%/s 03D'
172 Kupplung: Obere Darkzone ab der Kupplungansteuerung (PAC2_ClutchDeltaPosO_pc) VC 5% 03BW
173 Kupplung: Untere Darkzone ab der Kupplungansteuerung (PAC2_ClutchDeltaPosC_pc) VC 5% 03B3
174 Kupplung: Verzögerungszeit Kupplungsöffnen im oberen Bereich (PAC2_ClutchReleaseDelay_s) VC 2.0s 03GS
175 Kupplung: Zeitfenster Fallerkennung (PAC2_TimeActSpeedActClutch_s) VC 1.0s 03EN
176 Kupplung: Zeitfenster Fallerkennung nach Ende Ansteuerung Antrieb (PAC2_UnMovTimeAfterAction_s) VC 3.0s 03FY
177
178 Kodierstring Dez.: 002 128 002 128 124 128 000 050 000 150 000 100 000 005
179
180 Kodierdienst: 16.VCD_SCN_Programmierbare_OeB_Definition_der_Darkzones_VC
181
182 Fragmente
183 -----
184 Programmierbare ÖB: obere Darkzone (PUSR_IPosMaxOffset_pc) VC 6% 03J1
185 Programmierbare ÖB: untere Darkzone (PUSR_IPosMinOffset_pc) VC 10% 03IC
186
187 Kodierstring Dez.: 005 000 003 000
188
189 Kodierdienst: 17.VCD_SCN_Regler_I_Faktor_Schliessen
190
191 Fragmente
192 -----
193 PID: I-Faktor Schliessen, Zone 1 (PTRA_KIClose_1) 2.0 06WI
194 PID: I-Faktor Schliessen, Zone 2 (PTRA_KIClose_2) 0 06WR
195 PID: I-Faktor Schliessen, Zone 3 (PTRA_KIClose_3) 0 06X2
196 PID: I-Faktor Schliessen, Zone 4 0 06XD
197 PID: I-Faktor Schliessen, Zone 5 0 06XP
198
199 Kodierstring Dez.: 001 000 000 000 000 000 000 000 000 000
200
201 Kodierdienst: 18.VCD_SCN_Regler_P_Faktor_Schliessen
202
203 Fragmente
204 -----
205 PID: P-Faktor Schliessen, Zone 1 (PTRA_KPClose_1) 0 06U5
206 PID: P-Faktor Schliessen, Zone 2 (PTRA_KPClose_2) 2.0 06UK
207 PID: P-Faktor Schliessen, Zone 3 (PTRA_KPClose_3) 1.0 06UV
208 PID: P-Faktor Schliessen, Zone 4 0 06VS
209 PID: P-Faktor Schliessen, Zone 5 0 06W3
210
211 Kodierstring Dez.: 000 000 001 000 000 128 000 000 000 000
212
213 Kodierdienst: 19.VCD_SCN_Stromueberwachung_Antriebsmotor
214
215 Fragmente
216 -----
217 Stromueberwachungsparameter Dummy 06ZW
218
219 Kodierstring Dez.: 006 001 244 013 016 004 016 018 255 255
220
221 Kodierdienst: 20.VCD_SCN_Warntonggeber_Bedienstellenkonfiguration
222
223 Fragmente
224 -----
225 Programmierbare ÖB: Ansteuerung Beeper bei Aktivierung ÖB (POUT_BeeperIPosAct_s) VC 0.5s 04MG
226 Programmierbare ÖB: Ansteuerung Beeper bei Deaktivierung ÖB (POUT_BeeperIPosOff_s) VC Dummy 06ZS
227 Warntonkonfiguartion Bedienstellen
228 Warntonkonzept: Aktivierung Warnton am Anfang (CSYS_BeepAtStart_b) VC ein 04P5
229 Warntonkonzept: Ansteuerzeit Beeper für x-maliges Warnen (POUT_BeepAtStart_s) VC 2.0s 04NR
230
231 Kodierstring Dez.: 000 075 000 025 000 100 061 159 001
232
233 Kodierdienst: 21.VCD_SCN_Warntonggeber_Zeitschritte
234
235 Fragmente
236 -----
237 beep_zeit0 150ms 04P9
238 beep_zeit1 60ms 04PB
239 beep_zeit2 40ms 04PE
240 beep_zeit3 60ms 04PJ
241 beep_zeit4 90ms 04PP
242 beep_zeit5 60ms 04PT
243 beep_zeit6 60ms 04PX
244 beep_zeit7 600ms 04R2
245 beep_zeit8 300ms 04R4
246
247 Kodierstring Dez.: 030 012 008 012 018 012 012 060 030
248

```

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.

XENTRY Diagnostics E (212) M: 642.850 Mercedes-Benz
212.220 G: 722.902

> Diagnose > N121/1 - Heckklappen-Steuerung (HKS) 12.0V Zündung EIN

Version	Fehlercodes / Ereignisse	Istwerte	Ansteuerungen	Anpassungen	Steuergeräteprotokoll	Liste der Fehlercodes	Prüfungen
---------	--------------------------	----------	---------------	--------------------	-----------------------	-----------------------	-----------

Auswahl

- Steuergeräte-Inbetriebnahme
- Konfiguration
- Einlernvorgänge
- N121/1 (Steuergerät Heckklappen-Steuerung)**
- N121 (Steuergerät Kofferraumdeckel-Steuerung)

N121/1 (Steuergerät Heckklappen-Steuerung)

Sicherheits Hinweis

Verletzungsgefahr durch Einklemmen oder Quetschen, im Extremfall durch Abscheren von Gliedmaßen bei Eingriff in die Mechanik!

- Verletzungsgefahr durch Einklemmen oder Quetschen, im Extremfall durch Abscheren von Gliedmaßen bei Eingriff in die Mechanik!

Verhaltensregeln und Schutzmaßnahmen

- Es muss sichergestellt sein, dass sich keine Personen oder Gegenstände im Schwenkbereich der Heckklappe befinden!
- Es muss sichergestellt sein, dass sich keine Gegenstände auf der Heckklappe befinden!
- Es muss sichergestellt sein, dass sich keine Gegenstände im Kofferraum befinden, mit denen die Heckklappe kollidieren könnte!

Weiter

20:03
27.12.2017

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

Varianten Kodierung - KI221

Dienste: VCD_Variantenkodierung

Aktuelle Kodierung

Fragmente	Werte
ART Lampe beim Lampentest	deaktiviert
AdBlue Werkstattmenü (AdBlue_Level_Garage)	nicht vorhanden
Akustik Geschwindigkeitswarnung (Gulf_State_W...)	ein
Akustische Gurtwarnung	deaktiviert
Anzahl Rücksitze (Rear_Seat_Layout)	2 Sitze
Anzeige Fahrprogramm (Fahrprogramm_C_E)	C
Anzeige Geschwindigkeitsbeschränkung (Menu_...)	nicht vorhanden

000 000 000 000 000 000 000 000 000 000 000 000 000 000

Auswahl

000 000 000 000 000 000 000 000 000 000 000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
Reiserechneranzeige bei 50% Reserve	aktiv		V013
Rückfahrkamera	deaktiv		V012
Rücksetzintervall			
Schlüsselwarnung			
Shift by Wire Gong beim Rückwärtsgang einlegen			
Skalenendwert Tachometer			
Symbol / Schriftzug			
Tachokennlinie			
Tankdeckelwarnung			
Tankgeberdiagnose (Fuel_Level_Gauge_OBD_Eva...)			
Tankinformation			

Speichern in Datei | Manuell Kodieren | SG-Kodieren | Schließen

2.39.4 KI221 Menuactivations

ECU: KI221

Varianten Kodierung - KI221

Dienste: VCD_Menueaktivierung

Aktuelle Kodierung

Fragmente	Werte
Advanced DISTRONIC Radarsensorik	nicht vorhanden
Aktive Totwinkelerkennung (Menu_Active_Blind_Sp...	nicht vorhanden
Aktivierung Abstandswarnung	nicht vorhanden
Aktivierung Advanced Frontlight System	nicht vorhanden
Aktivierung Curvetronic(3)	nicht vorhanden
Aktivierung Integrierter Starter-Generator	nicht vorhanden
Aktivierung Parkplatzvermessung	aus

000 000 000 000

Auswahl

000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
Advanced DISTRONIC Radarsensorik	nicht vorhanden		M024
Aktive Totwinkelerkennung (Menu_Active_Blind_Sp...	vorhanden		M025

Speichern in Datei Manuell Kodieren SG-Kodieren Schließen

Varianten Kodierung - KI221

Dienste: VCD_Menueaktivierung

Aktuelle Kodierung

Fragmente	Werte
Advanced DISTRONIC Radarsensorik	nicht vorhanden
Aktive Totwinkelerkennung (Menu_Active_Blind_Sp...	nicht vorhanden
Aktivierung Abstandswarnung	nicht vorhanden
Aktivierung Advanced Frontlight System	nicht vorhanden
Aktivierung Curvetronic(3)	nicht vorhanden
Aktivierung Integrierter Starter-Generator	nicht vorhanden
Aktivierung Parkplatzvermessung	aus

000 000 000 000

Auswahl

000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
Akustik Spurwechselassistent(3)	nicht vorhanden		M024
Anzeige Abstandsgraphik (Menu_Distance_Graphik...	vorhanden		M025

Speichern in Datei Manuell Kodieren SG-Kodieren Schließen

Varianten Kodierung - KI221

Dienste: VCD_Menueaktivierung

Aktuelle Kodierung

Fragmente	Werte
Advanced DISTRONIC Radarsensorik	nicht vorhanden
Aktive Totwinkelerkennung (Menu_Active_Blind_Sp...	nicht vorhanden
Aktivierung Abstandswarnung	nicht vorhanden
Aktivierung Advanced Frontlight System	nicht vorhanden
Aktivierung Curvetronic(3)	nicht vorhanden
Aktivierung Integrierter Starter-Generator	nicht vorhanden
Aktivierung Parkplatzvermessung	aus

000 000 000 000

Auswahl

000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
Müdigkeitswarner (Menu_Attention_Assist)	nicht vorhanden		M024
Notöffnung Zentralverriegelung	vorhanden		M025

Speichern in Datei Manuell Kodieren SG-Kodieren Schließen

2.39.5 Turning off seatbelt warning

ECU: KI221

set Gurtwarnung nach NCAP to keine Gurtwarnung

Varianten Kodierung - KI221

Dienste: VCD_Variantenkodierung

Aktuelle Kodierung

Fragmente	Werte
ART Lampe beim Lampentest	deaktiviert
AdBlue Werkstattmenü (AdBlue_Level_Garage)	nicht vorhanden
Akustik Geschwindigkeitswarnung (Gulf_State_W...)	ein
Akustische Gurtwarnung	deaktiviert
Anzahl Rücksitze (Rear_Seat_Layout)	2 Sitze
Anzeige Fahrprogramm (Fahrprogramm_C_E)	C
Anzeige Geschwindigkeitsbeschränkung (Menu ...)	nicht vorhanden

000 000 000 000 000 000 000 000 000 000 000 000 000 000

Auswahl

000 000 000 000 000 000 000 000 000 000 000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
Fahrwerk	entsprechend Konfiguration		V176
Fernlicht	keine Gurtwarnung		V179
GWSZ	nach EURO NCAP		V177
Geschwindigkeitswarnung	nach USA NCAP		V178
Getriebefahrstufe			
Getriebeprogramm_LastMode und Reihenfolge (Shif			
Getriebeprogrammanzeige			
Gurtwarnung Fond			
Gurtwarnung_abbrechbar			
Gurtwarnung nach NCAP			
HIL Funktion			

Speichern in Datei | Manuell Kodieren | SG-Kodieren | Schließen

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 channel 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 kodieren / write coding

ECU 2: SAMF 172

group: VCD_Parameter_Fanfaren

change FAF_EDW_timeout to 10 sec

SG kodieren / 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)

Varianten Kodierung - SAMF_212

Dienste: VCD_Parameter_Bremsbelagsverschleiss

Aktuelle Kodierung

Fragmente	Werte
BBV_Entprell_Zeit_manuell	0 ms
BBV_HA_EN	nein
BBV_HA_Filter	0 sek
RRV_HA_INV_Innik	Normal

000 000 000 000 000

Auswahl

000 000 000 000 000

Fragmente	Werte	Teile-Nummer	Supplement Key
BBV_HA_EN	ja		05wW
BBV_HA_Filter	nein		05wV

Speichern in Datei | Manuell Kodieren | SG-Kodieren | Schließen

ECU: BC_F222

domain/dienste: VCD_BCF_SF_Bremsverschleiss_Schalterfreigabe

PSWF_BrkLnWf100_Enable_b change to off

Varianten Kodierung - BC_F222

Dienste: VCD_BCF_SF_Bremsbelagsverschleiss_Schalterfreigabe

Aktuelle Kodierung

Fragmente	Werte
PSWF_BrkLnWf100_Enable_b	off

000

Auswahl

000

Fragmente	Werte	Teile-Nummer	Supplement Key
PSWF_BrkLnWf100_Enable_b	off		
	on		

Speichern in Datei | Manuell Kodieren | SG-Kodieren | Schließen

3. Millage check - which ECUs are involved

The written ECUs lists for the different carlines are taken from the internet.

At the end of this chapter the carlines are listed with the millage in the key.

They may be complete but you may not be sure, or even too 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 need to search in the branches of the ECU tree is given below.

3.1 Millage ECUs

Names and explanations:

- 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

V Ecoute/CAESAR 05.01.01 - EIS_212

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



EIS_212

Example at a 212 just for 3 ecus

Ecoute/CAESAR 05.01.01 - EIS_212

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

DT_Klemmenstatus_H0_Schalter
DT_Klemmenstatus_Klemme_15
DT_Klemmenstatus_Klemme_15C
DT_Klemmenstatus_Klemme_15R
DT_Klemmenstatus_Klemme_15X
DT_Klemmenstatus_Klemme_50
DT_Klemmenstatus_Schlüsselabzugsschalter
DT_Klemmenstatus_Schlüsselsteckschalter
DT_Klemmenstatus_Signal_unguelteig
DT_Klemmenstatus_Stellung_Klemme_15
DT_Klemmenstatus_Stellung_Klemme_15R
DT_Klemmenstatus_Stellung_Klemme_50
DT_Km_Info_Aktueller_Km_Stand
DT_Letzte_ZV_Bedienungen_Letzter_FC
DT_Letzte_ZV_Bedienungen_Quelle_oeffnen
DT_Letzte_ZV_Bedienungen_Quelle_schliessen
DT_Letzte_ZV_Bedienungen_Schlusssellinie
DT_Letzte_ZV_Bedienungen_Zugangsberechtigungszaehler
DT_MSG_Diagnosedaten_Aktiviert
DT_MSG_Diagnosedaten_Als_Ersatzteil_initialisiert
DT_MSG_Diagnosedaten_Authentikation_Jaeuft
DT_MSG_Diagnosedaten_Freigabe_erteilt
DT_MSG_Diagnosedaten_Initialisiert
DT_MSG_Diagnosedaten_Neutralisiert
DT_MSG_Diagnosedaten_Nummer_der_Teilnachricht
DT_MSG_Diagnosedaten_Personalisiert

21:09:04 Dienst EIS_212::DT_Erweiterter_Status_EZ5_Schlüssel_Botschaft_N5_Ergebnis: OK
21:09:15 Dienst EIS_212::DT_FB53_Informationen_EZ5_Personalisiert_Ergebnis: ja
21:09:27 Dienst EIS_212::DT_ISM_Diagnosedaten_Schlusssellinie_1_Ergebnis: gesperrt
21:09:28 Dienst EIS_212::DT_ISM_Diagnosedaten_Schlusssellinie_2_Ergebnis: freigegeben
21:09:36 Dienst EIS_212::DT_ISM_Diagnosedaten_Testzaehler_Ergebnis: 0
21:09:43 Dienst EIS_212::DT_Km_Info_Aktueller_Km_Stand Ergebnis: 138458 km

Bereit EIS_212 - W212_1001 (CANHS 1 an I+ME ACTIA GmbH SDconnect, Interface: HSCAN_UDS_500)

start Start Center 05.01.01 Total Commander 8.5... Ecoute/CAESAR 05.0...

Ecoute/CAESAR 05.01.01 - ESP212

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

DT_STO_ID_Software_Lieferant_VAF5
DT_STO_ID_Software_Version_Jahr_AS
DT_STO_ID_Software_Version_Jahr_VAF5
DT_STO_ID_Software_Version_Kalenderwoche_AS
DT_STO_ID_Software_Version_Kalenderwoche_VAF5
DT_STO_ID_Software_Version_Patch_Level_AS
DT_STO_ID_Software_Version_Patch_Level_VAF5
DT_STO_ID_VIN_Aktuell_VIN
DT_STO_ID_VIN_Original_VIN
DT_STO_ID_Version_Diagnoseprotokoll_Diagnostic_Performance_Requirements_Standard
DT_STO_ID_Version_Diagnoseprotokoll_ECU_Reprogramming_Requirements_Specificat
DT_STO_ID_Version_Diagnoseprotokoll_Unified_Diagnostic_Services_Protocol_Version
DT_STO_Reglerevents_Jesen_freischalten_Status
DT_STO_SC_Test_Falschverbau_Status
DT_STO_XCP_Zustand
DT_STO_Zaehler_Programmierversuche_Max_Anzahl_AS
DT_STO_Zaehler_Programmierversuche_Max_Anzahl_VAF5
DT_STO_Zaehler_Programmierversuche_Reprogramming_AS
DT_STO_Zaehler_Programmierversuche_Reprogramming_VAF5
DT_STO_Zugriff_Fehlerspeicher_DTC_Lese_Zaehler
DT_STO_Zugriff_Fehlerspeicher_Kilometerstand

Standardobjekte
DELAY-SERVICE
Abläufe
Standardobjekte

21:18:05 Aktuelles System ist nicht mehr gültig.
21:18:14 System ESP212 geladen
21:18:14 ESP212: SGML-Version:8.0.9
21:18:15 Kontakt mit Steuergerät ESP212 hergestellt.
21:19:29 Dienst ESP212::DT_STO_Geschwindigkeitslimit_Zaehler_Ergebnis: 0
21:19:51 Dienst ESP212::DT_STO_Zugriff_Fehlerspeicher_Kilometerstand Ergebnis: 137984 km

Bereit ESP212 - 020008 (CANHS 1 an I+ME ACTIA GmbH SDconnect, Interface: HSCAN_UDS_500)

start Start Center 05.01.01 Total Commander 8.5... Ecoute/CAESAR 05.0... IC_204 - Paint mb mileage locations ...

Ecoute/CAESAR 05.01.01 - IC_204

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

DT_Log_Portdaten_Blinkerklopfer
DT_Log_Portdaten_Status_Klemme_15_diskret
DT_Memory_nur_Entwicklung_Data
DT_Memory_nur_Entwicklung_Length_number_of_bytes_of_the_Memory_Address_para
DT_Memory_nur_Entwicklung_Length_number_of_bytes_of_the_Memory_Size_paramet
DT_Memory_nur_Entwicklung_Memory_Address
DT_Memory_nur_Entwicklung_Memory_Size
DT_Prod_Displaytext_Status
DT_RWS_Anlernstatus
DT_RWS_Status_Schlüssel_ID
DT_ReadECUIdentificationNumber_HW_Nummer
DT_ReadECUIdentificationNumber_SW_Nummer_Applikation
DT_ReadECUIdentificationNumber_SW_Nummer_Displayresourcen
DT_ReadECUIdentificationNumber_ZB_Nummer
DT_ReadECUIdentificationNumber_ZGS_Hardware
DT_ReadECUIdentificationNumber_ZGS_Software_Applikation
DT_ReadECUIdentificationNumber_ZGS_Software_Displayresourcen
DT_ReadECUIdentificationNumber_ZGS_Zusammenbau_ZB
DT_Security_Level_Aktuell
DT_Tageswegstrecke_Wert
DT_Wegstrecke_Gesamtwegstrecke
DT_Werkstattcode_lesen_ASSYST_PLUS_Werkstattcode

Download
DL_AO_Tracingspeicher
DL_Daempfung_Drehzahlmesser
DL_Entwicklungskodierungen

21:12:52 IC_204: SGML-Version:06.01.30
21:12:54 Kontakt mit Steuergerät IC_204 hergestellt.
21:13:28 Dienst IC_204::DT_Aktuelle_Servicewerte_ASSYST_PLUS_Kilometer_bis_naechster_Service_Ergebnis: 23801 km
21:13:53 Dienst IC_204::DT_Globale_Kodierungen_Curvetronic_Curvetronic_Ergebnis: vorhanden
21:14:44 Dienst IC_204::DT_Security_Level_Aktuell_Ergebnis: 2 Level
21:14:50 Dienst IC_204::DT_Wegstrecke_Gesamtwegstrecke Ergebnis: 138458 km

Bereit IC_204 - IC212_IC_204_Mid_Line_AJ09 (CANHS 1 an I+ME ACTIA GmbH SDconnect, Interface: HSCAN_UDS_500)

start Start Center 05.01.01 Total Commander 8.5... Ecoute/CAESAR 05.0... eis212 - Paint

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

4.1.2 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

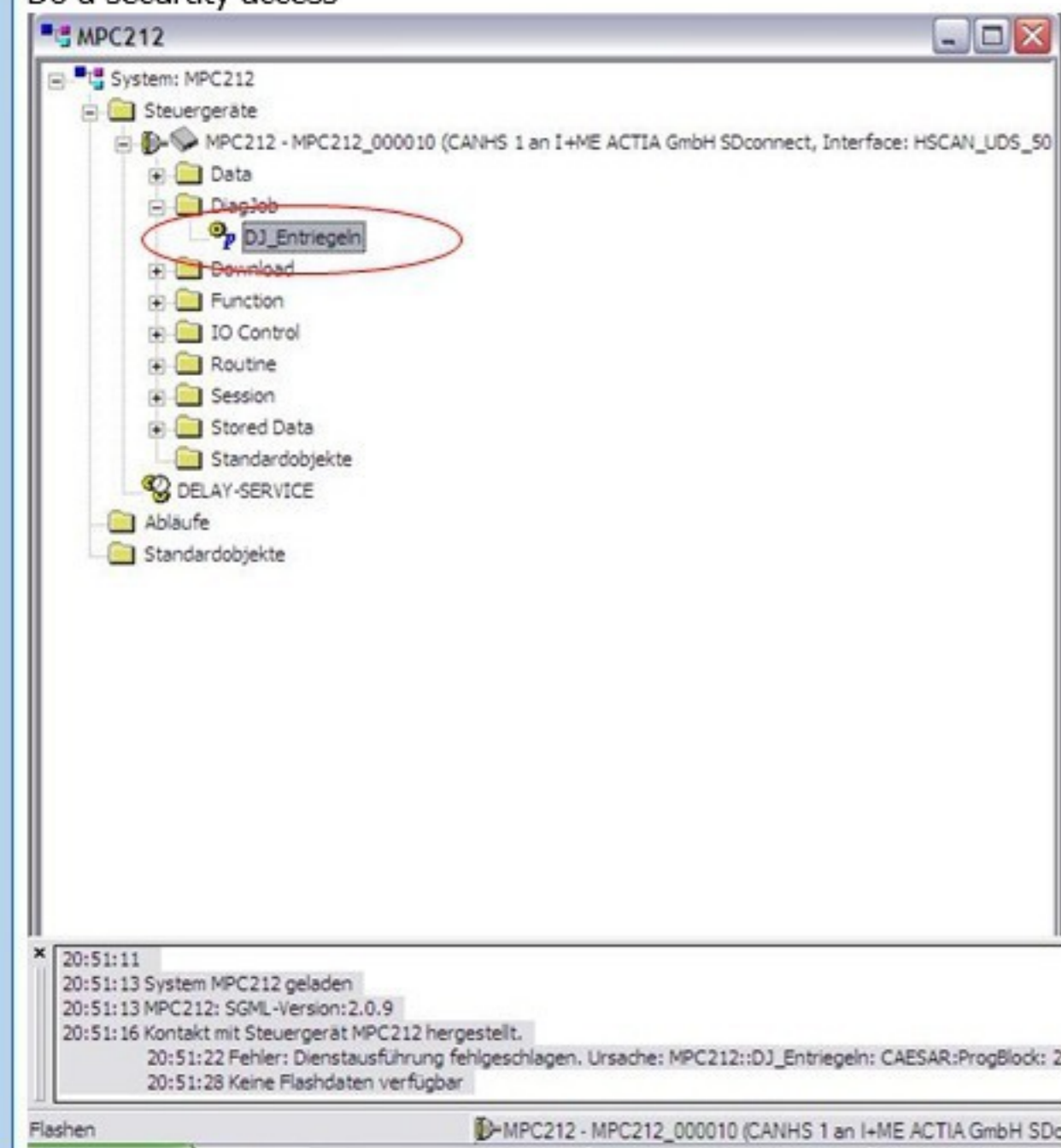
Extract from CDI file:

```
2128271900-0001.CDI
36 # HU_204
37 [2128700489-XXX] [-----89-XXX] [2129011604-XXX] [2129011704-XXX] |
38 #####
39 # SOFTWARE_LINGUATRONIC_HU_HIGH_ECE_LANGUAGE_DATA_E20_0
40 2129023104-001 \HU_204\104100\A212902\3104_001\; First CFF
41 # SOFTWARE_TELEMATIK_HU_HIGH_ECE_APPLIC_CODE_E5_0
42 2129024205-001 \HU_204\111400\A212902\4205_001\; Second CFF
43
```

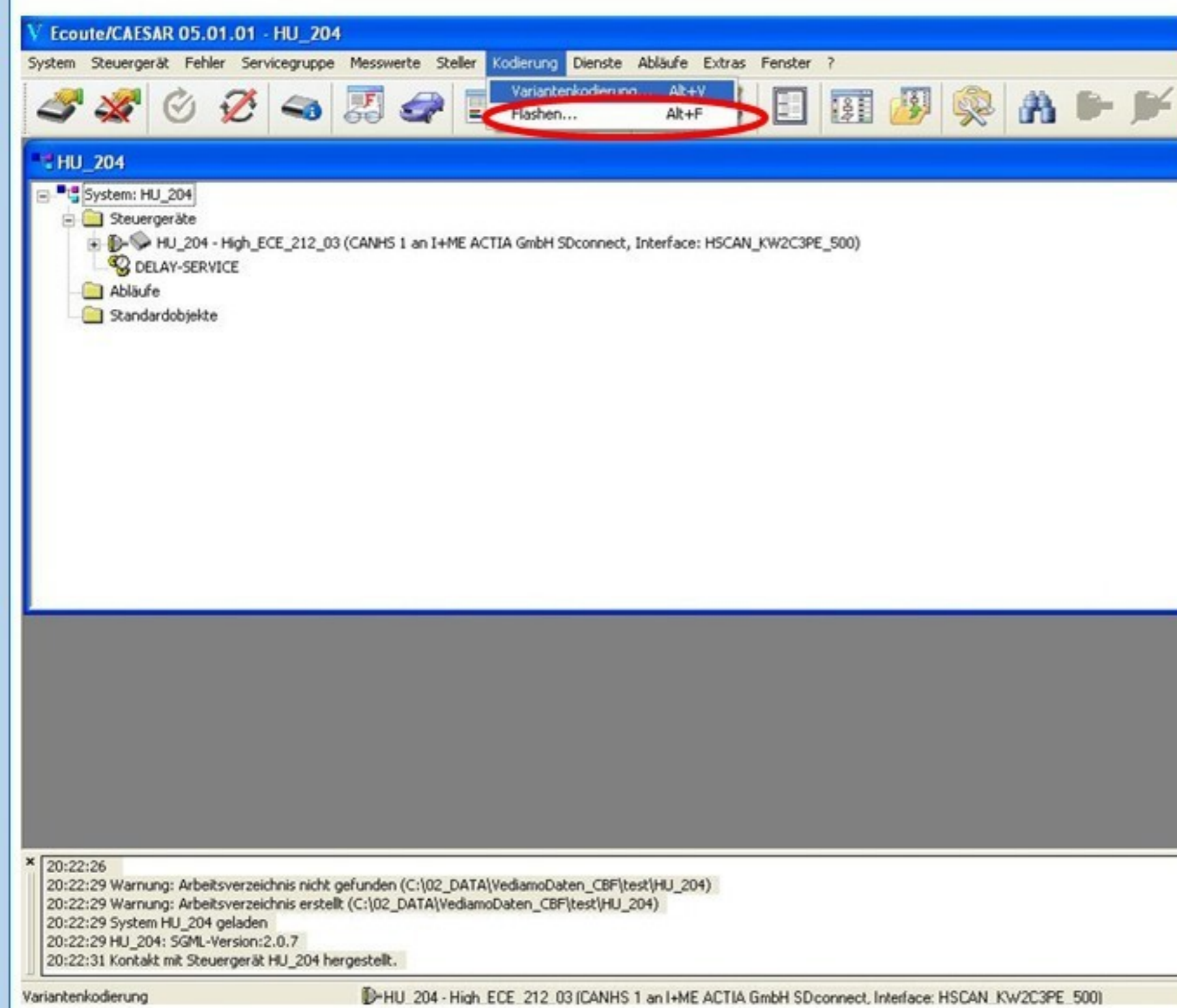
4. Flashing a ECU with one CFF (which CFF and how)

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

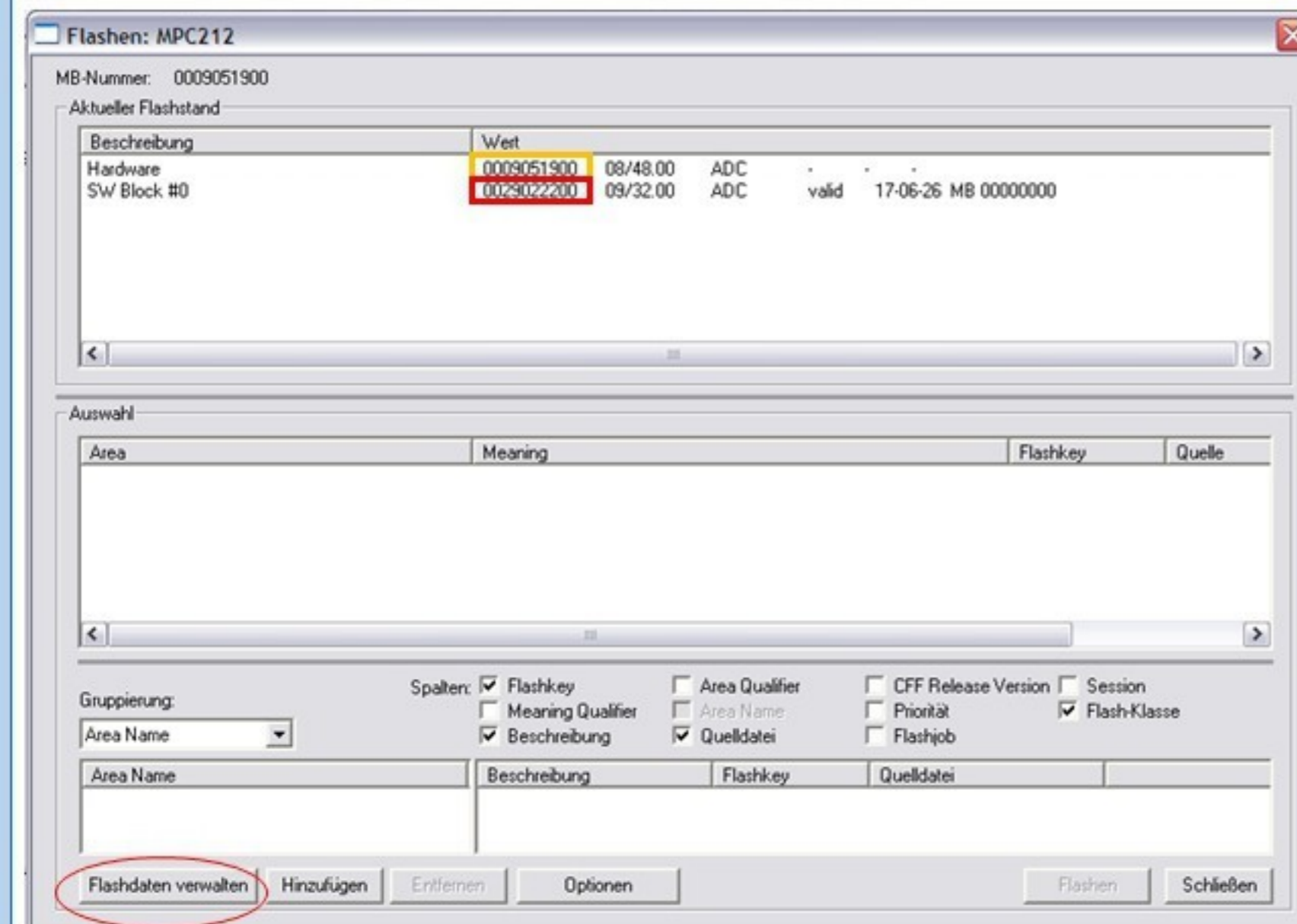
Do a security access



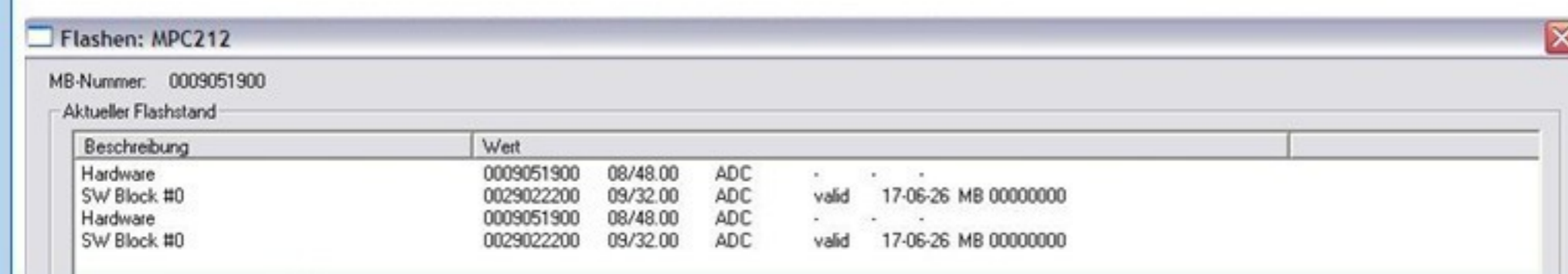
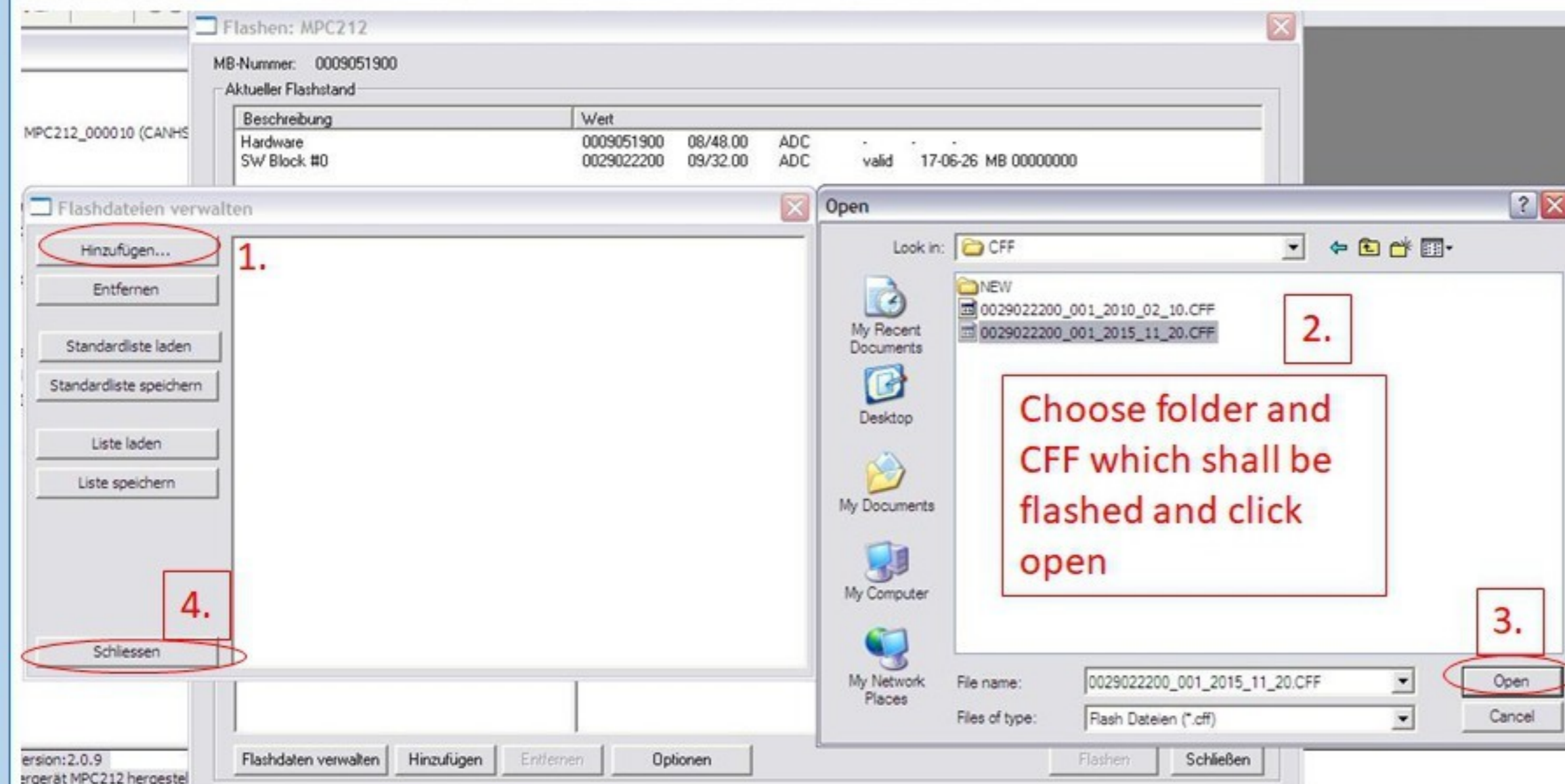
Then click at flashen:



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
SW Block #0	0029022200	09/32.00
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00

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\CFV0029022200_0...

Flashdaten verwalten **Hinzufügen** **1.** **Flashen** **3.** **Schließen**

Flashen: MPC212

MB-Nummer: 0009051900

Aktueller Flashstand

Beschreibung	Wert	
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00

Auswahl

Status des Flashvorgangs: 0 %

Vergangene Zeit: 00:24

New window appears with percentage and elapsed time.

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
A0009025904_SW_MPC_1...	0009025904_001	L:\SG_S212\KAMERA_MPC212\CFVNEW\0009025...

Flashdaten verwalten **Hinzufügen** **Flashen** **Schließen**

Flashen: MPC212

MB-Nummer: 0009051900

Aktueller Flashstand

Beschreibung	Wert	
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00

Auswahl

Status des Flashvorgangs: 6 %

Vergangene Zeit: 00:51

New window appears with percentage and elapsed time.

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
A0009025904_SW_MPC_1...	0009025904_001	L:\SG_S212\KAMERA_MPC212\CFVNEW\0009025...

Flashdaten verwalten **Hinzufügen** **Flashen** **Schließen**

Flashen: MPC212

MB-Nummer: 0009051900

Aktueller Flashstand

Beschreibung	Wert	
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00

Auswahl

Status des Flashvorgangs: 50 %

Vergangene Zeit: 02:08

New window appears with percentage and elapsed time.

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
A0009025904_SW_MPC_1...	0009025904_001	L:\SG_S212\KAMERA_MPC212\CFVNEW\0009025...

Flashdaten verwalten **Hinzufügen** **Flashen** **Schließen**

Flashen: MPC212

MB-Nummer: 0009051900

Aktueller Flashstand

Beschreibung	Wert	
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00
Hardware	0009051900	08/48.00
SW Block #0	0029022200	09/32.00

Auswahl

Status des Flashvorgangs: 99 %

Vergangene Zeit: 03:32

New window appears with percentage and elapsed time.

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
A0009025904_SW_MPC_1...	0009025904_001	L:\SG_S212\KAMERA_MPC212\CFVNEW\0009025...

Flashdaten verwalten **Hinzufügen** **Flashen** **Schließen**

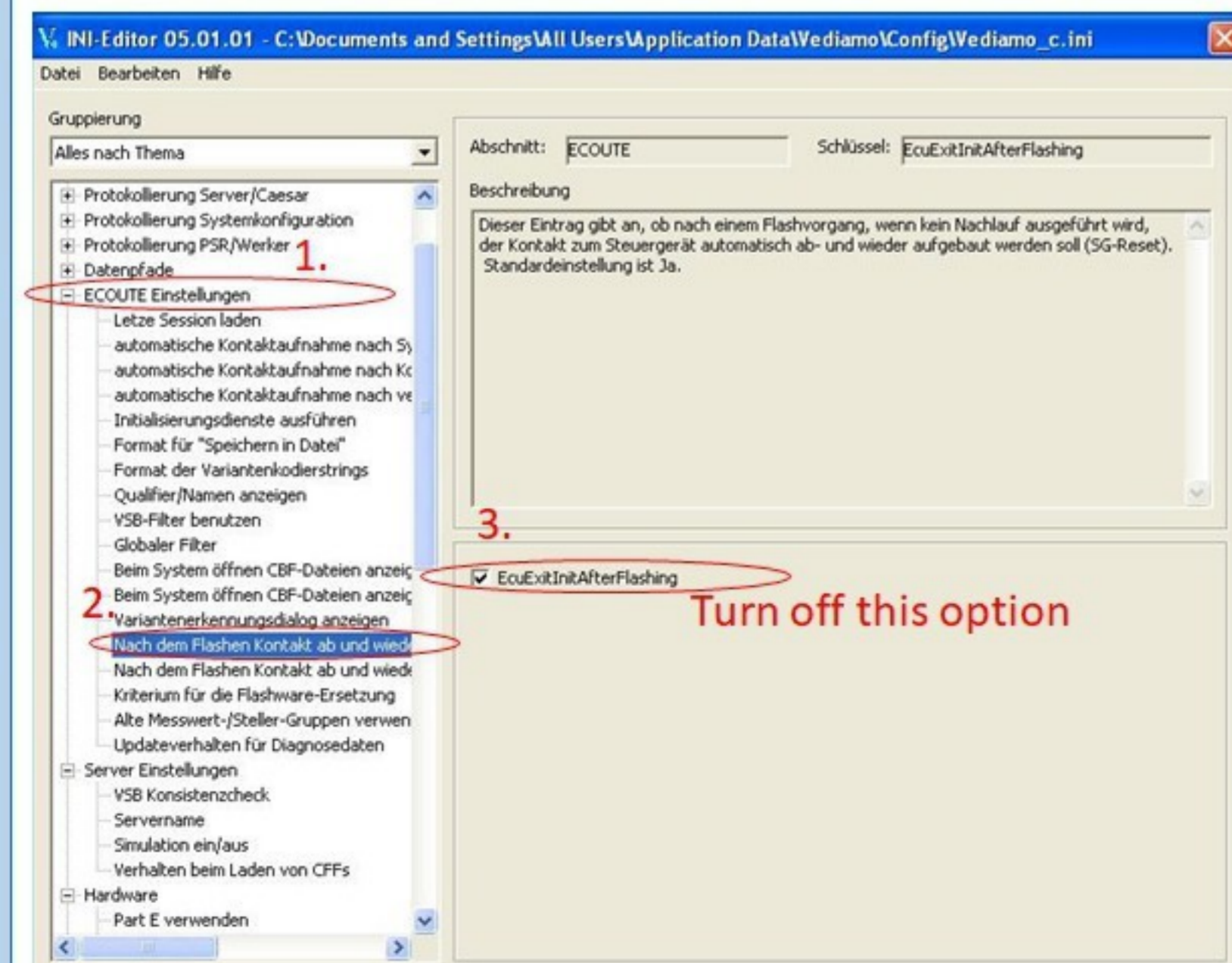
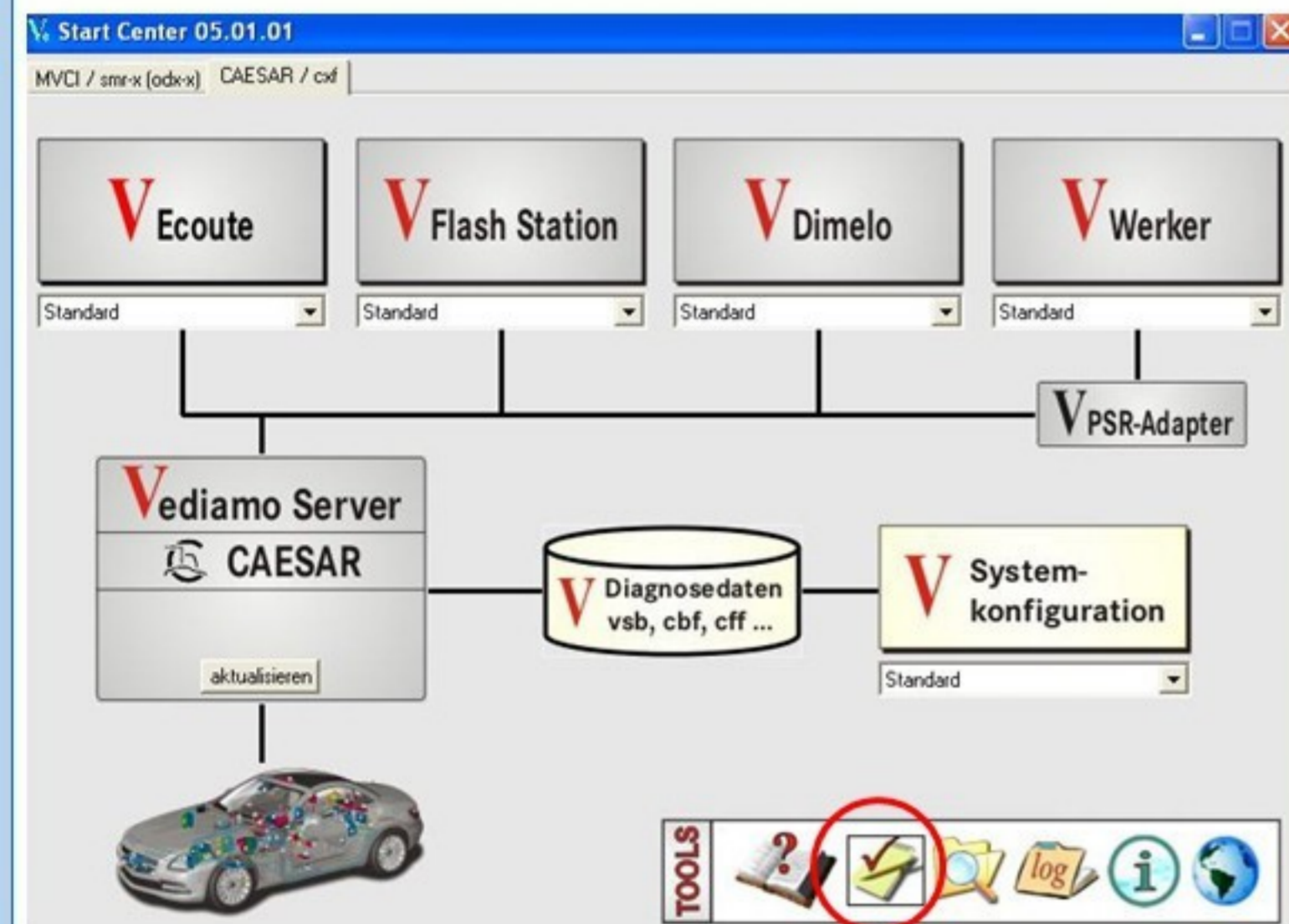
4.3 Flashing a ECU with more than one CFF

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 completely.
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 vediao 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 vediao ini editor "EcuExitInitAfterFlashing" and disable it, so vediao 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 vediao window.



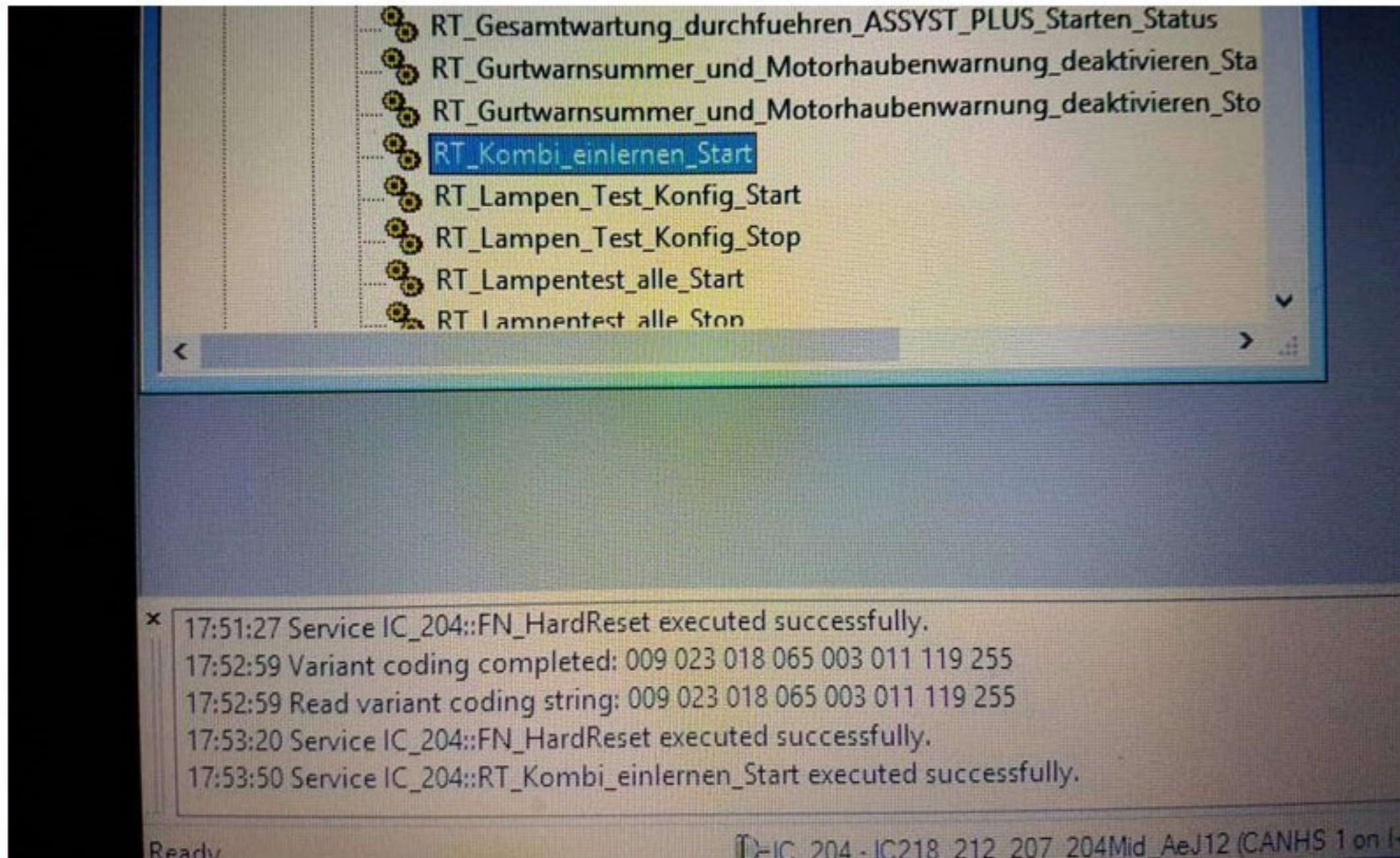
5.1 Sync IC to EZS (204) - not tested

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 Entwicklungsdaten - > ansteuerungen -> Gesamtliste aller Ansteuerungen

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

then 1 line down there you see Bremsenzähler aktualisieren und Lebensdauerzähler F neu berechnen -> click it !

Parameter uINBR = 0

then click F3

1 line down Bremsenzähler auf beliebigen Wert setzen (DJ_SetNBr) -> click it

Parameter uINBR = 0

then click F3

then scroll down untill you see the line's :

Lebensdauerzähler F neu berechnen (DJ_CalcLiveTime)

Parameter uINBR = 0

then click F3

Lebensdauerzähler F neu berechnen 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 Entwicklungsdaten - > ansteuerungen -> Gesamtliste aller Ansteuerungen

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

then 1 line down there you see Bremsenzähler aktualisieren und Lebensdauerzähler F neu berechnen -> click it !

Parameter uINBR = 0

then click F3

1 line down Bremsenzähler auf beliebigen Wert setzen (DJ_SetNBr) -> click it

Parameter uINBR = 0

then click F3

then scroll down untill you see the line's :

Lebensdauerzähler F neu berechnen (DJ_CalcLiveTime)

Parameter uINBR = 0

then click F3

Lebensdauerzähler F neu berechnen 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 knob 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 performed 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

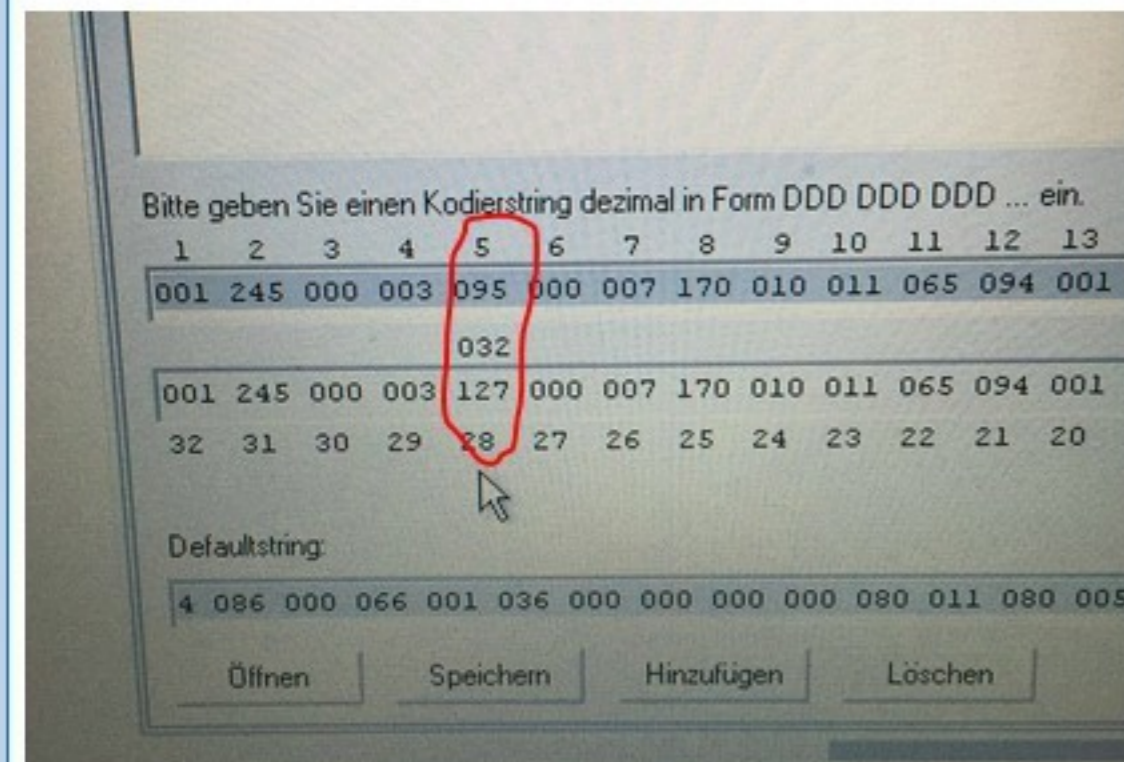
Add 032 on position 5 from coding string (see picture)

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

Fahrzeug Steuergerät

Istwerte

Ölstandskontrolle

Drehzahlen

Schaltprogramme

Gangwechsel

Wandler-Überbrückungskupplung

Notlauf

Schalter und Taster

Fahrberechtigung





Startvorgang

 ESC
  F1
  F3
  F6

Fahrzeug Steuergerät

Wandler-Überbrückungskupplung

Nr.	Name	Istwerte
001	Wandler-Schlupfdrehzahl	0
004	Status der Überbrückungskupplung	OFFEN
008	Istgang	P
009	Zielgang	P
010	Getriebeöltemperatur	13
011 CAN	Motormoment (CAN-Botschaft vom Steuergerät Motorsteuerung)	-15
112	Turbinendrehzahl	0
113 CAN	Motordrehzahl (CAN-Botschaft vom Steuergerät Motorsteuerung)	0

 ESC
  F1
  F5
  F6
  F7

Fahrzeug Steuergerät

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 bestehendem Fahrmoment führt die Wandler-Überbrückungskupplung in den OFFEN Zustand.

 ESC
  F5
  F7

Fahrzeug Steuergerät

Wandler-Überbrückungskupplung

Nr.	Name	Istwerte
004	Status der Überbrückungskupplung	OFFEN

Anzeige :
 - SCHLUPFEND

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.





Sonderabläufe

Schließen der Wandlerüberbrückungskupplung
 Sonderablauf: Nur für Marktbetreuung (MBVD oder AMG)
 Zurücksetzen der Adaptiondaten Hydraulische Bremse B2





Schließen der Wandlerüberbrückungskupplung

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 Geräuschentwicklung führen.
 - Bei Statusänderung der Ansteuerung der Wandlerüberbrückungskupplung kann es zu einem Ruck im Antriebsstrang kommen. Dieses 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





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.



Fahrzeug

Steuergerät **EGS**

Sonderabläufe

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



Fahrzeug

Steuergerät **EGS**

Schließen der Wandlerüberbrückungskupplung

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 Geräuschentwicklung führen.
- Bei Statusänderung der Ansteuerung der Wandlerüberbrückungskupplung kann es zu einem Ruck im Antriebsstrang kommen. Dieses 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



Fahrzeug

Steuergerät **EGS**

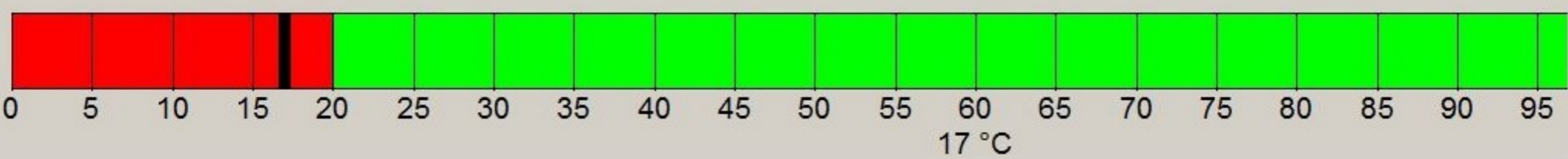
Durchführung der Adaption

Voraussetzungen:

Der Motor läuft.

Die Getriebeöltemperatur muss über 20 °C liegen.

Temperatur des Getriebeöls:



5.5.2 vediamo - just lock up

ECU: VGSNAG2

The screenshot shows the Ecuator software interface for the VGSNAG2 system. The main window displays a tree view of the system components, including folders for 'Steuergeräte', 'Data', 'DiagJob', 'Download', 'Function', 'IO Control', and 'Routine'. The 'Routine' folder is expanded, showing a list of routines. The routine 'RT_Kueb_Ansteuerung_Starten' is highlighted with a red box.

A dialog box titled 'Eingabe-Parameter für RT_Kueb_Ansteuerung_Starten' is open, showing the input parameters for this routine. The dialog has a table with columns 'Qualifier' and 'Name'. The table contains one entry: 'RT_Kueb_Ansteuerung_Starten' with the name 'Status'. Below the table, there is a 'Beschreibung:' field with the text 'Nicht bedatet.' and a dropdown menu with the following options: 'Kueb aus in C', 'Kueb aus', 'Kueb ein', and 'Kueb lock up'. The 'Kueb aus in C' option is selected. At the bottom of the dialog are 'Abbrechen' and 'OK' buttons.

The status bar at the bottom of the window shows the text 'Bereit' and 'VGSNAG2 - VGS2_8101 (Sim 0 an Simulation, Interface: NULL)'. A log window at the bottom left shows the following messages:

```
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.
```

5.7 NTG 2.5 - working at the bench without car

This is a explanation written by user schou

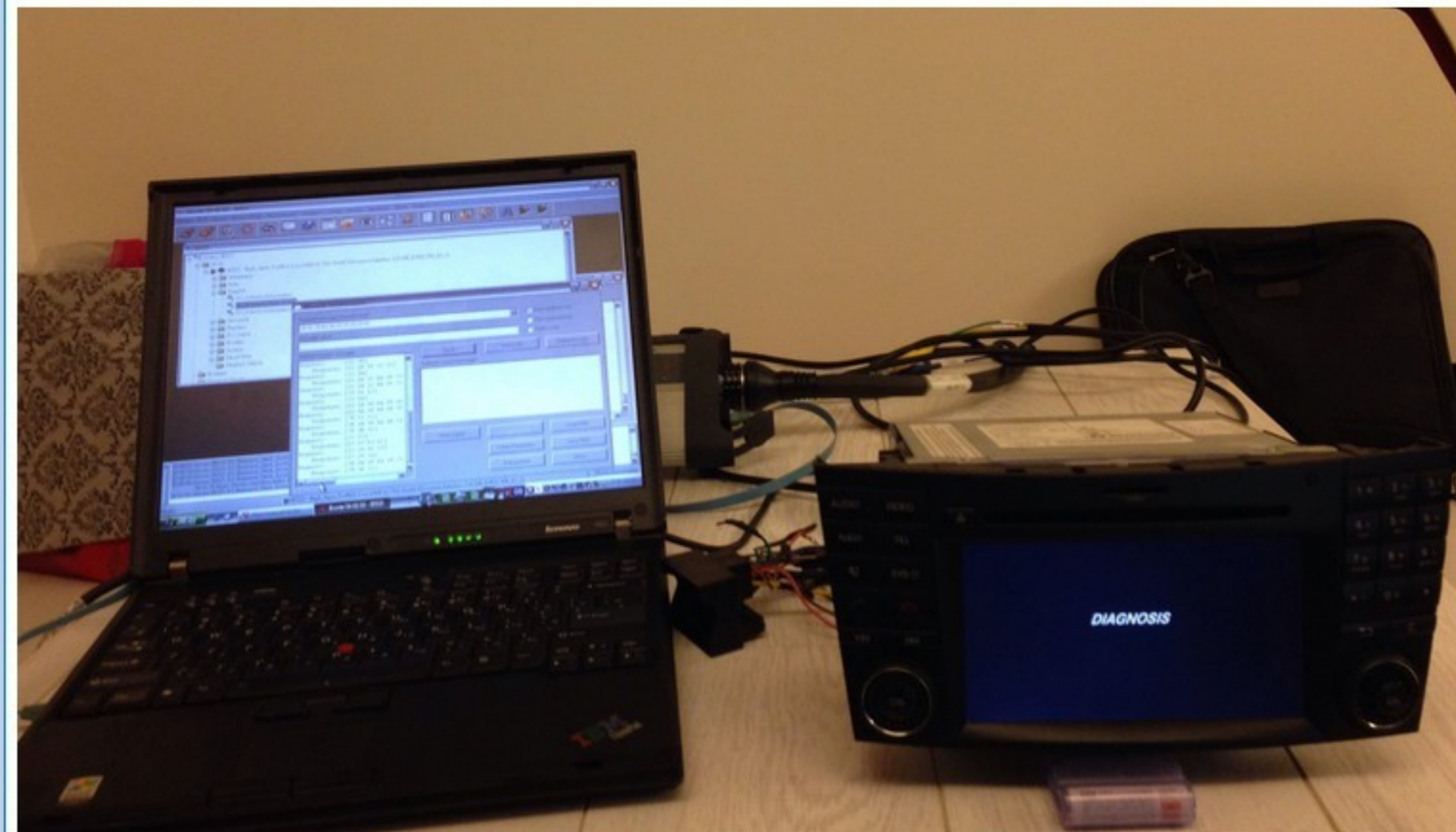
What you need to do is connect NTG2.5 with your SDConnect C4, you need to connect KL30/KL31/CAN-H/CAN-L, you don't need to connect the ignition pin because NTG2.5 doesn't have KL15.

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 vedia 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 assist data.
Always do a backup of your original KI Eeprom

- 1. Standard



- 2. After AMG63 upgrade - start logo



- 3. After AMG63 upgrade - 320kmh



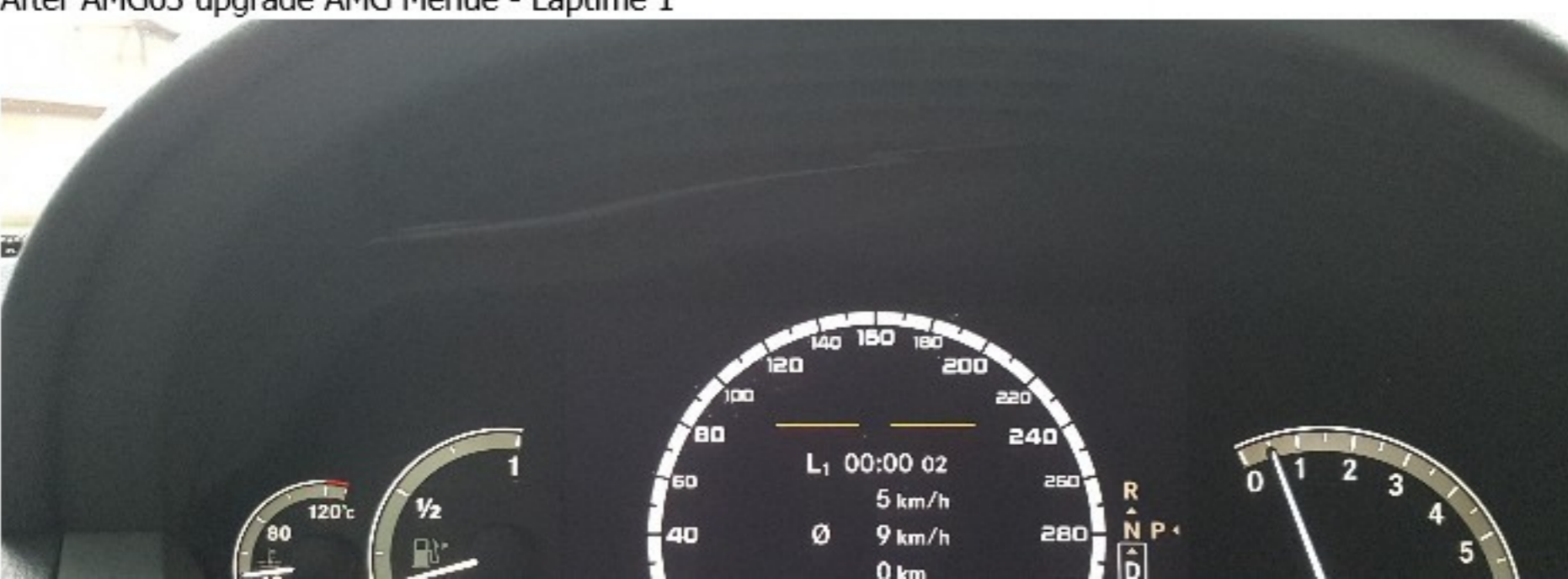
- 4. After AMG63 upgrade AMG Menu



- 5. After AMG63 upgrade AMG Menu - Stopwatch



- 6. After AMG63 upgrade AMG Menu - Lapttime 1





3. After AMG63 upgrade - 320kmh



4. After AMG63 upgrade AMG Menu



5. After AMG63 upgrade AMG Menu - Stopwatch



6. After AMG63 upgrade AMG Menu - 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>

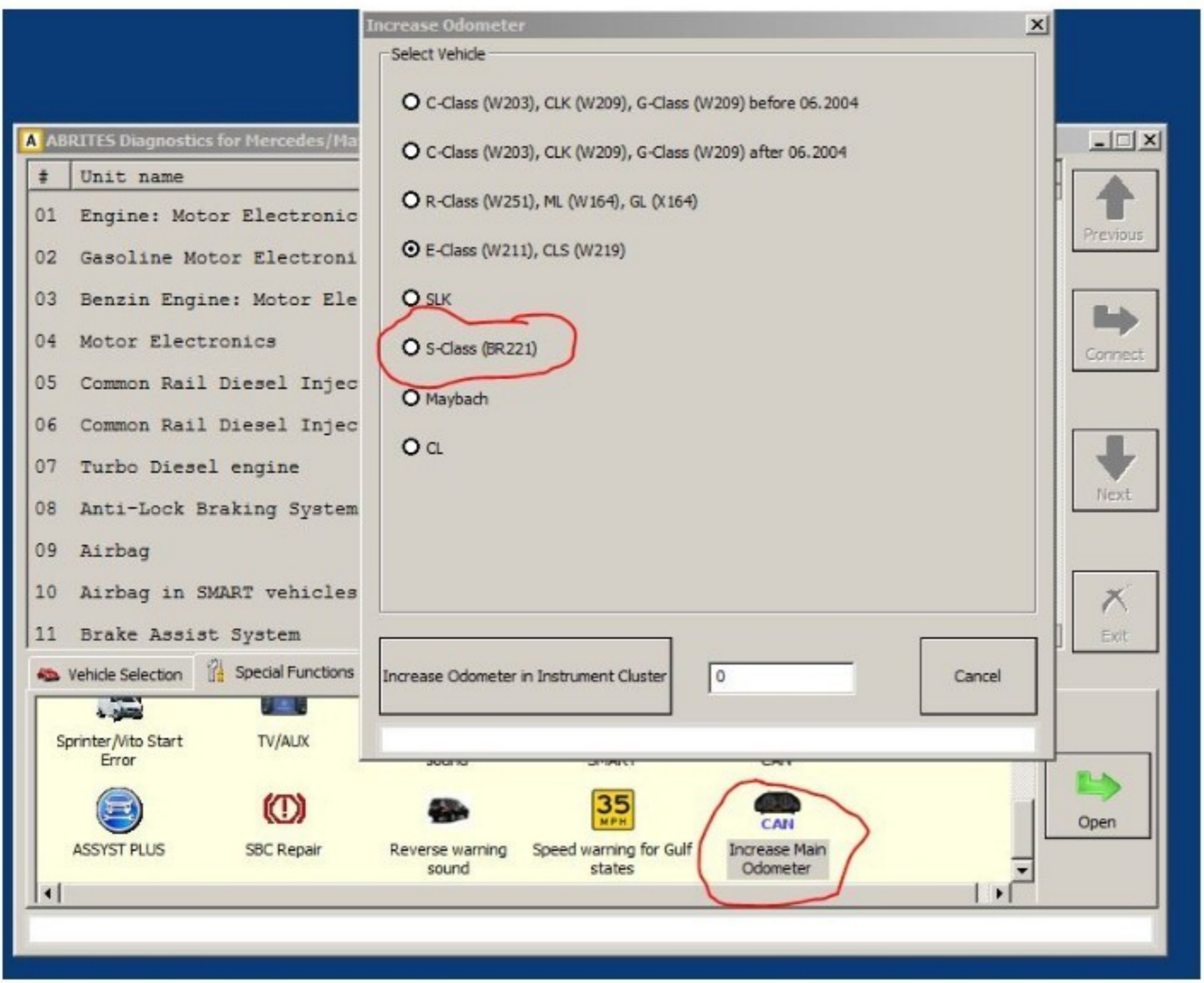
[W221 AMG dumps V12 2012](#)

5.8.3 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

Explanation 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.

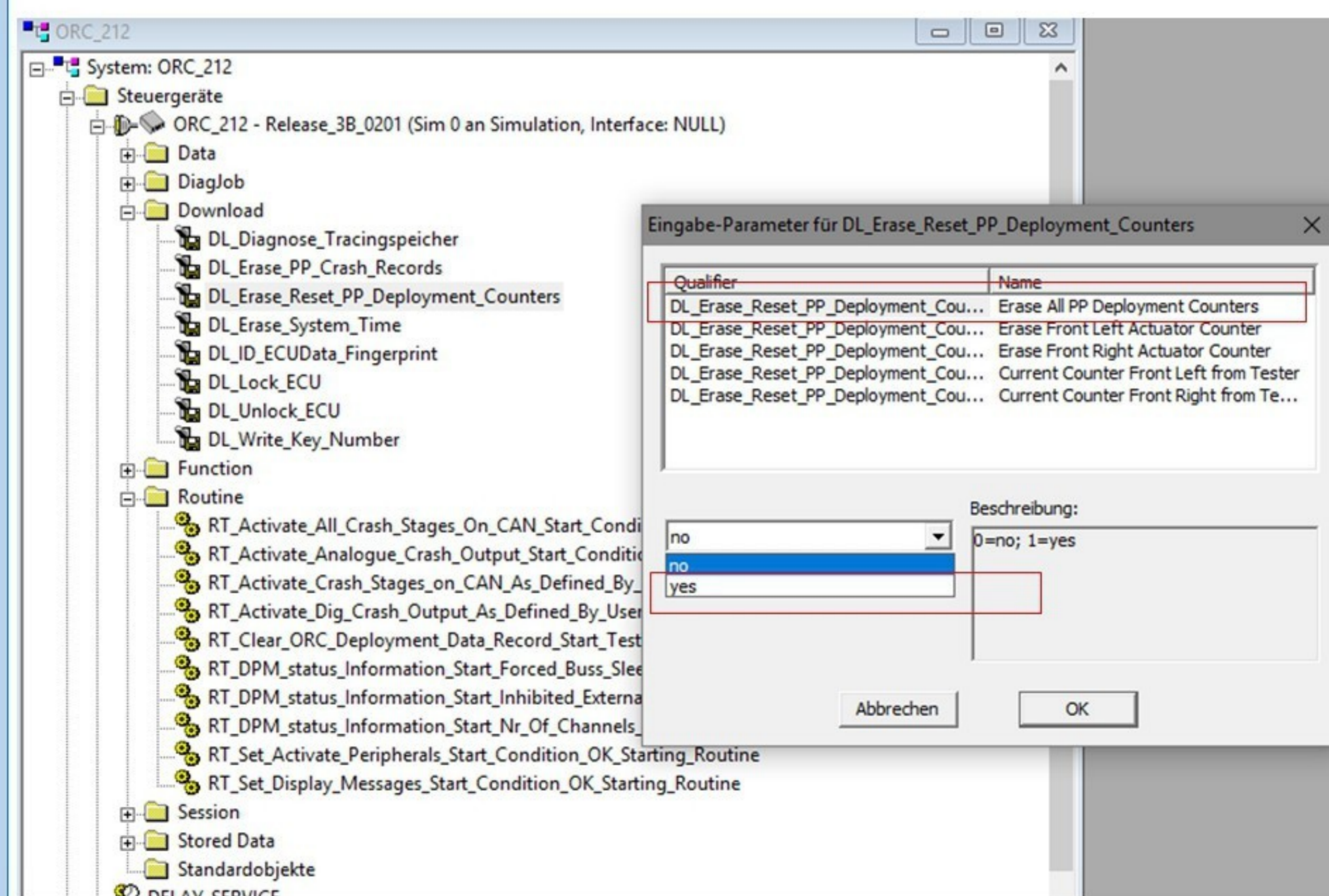
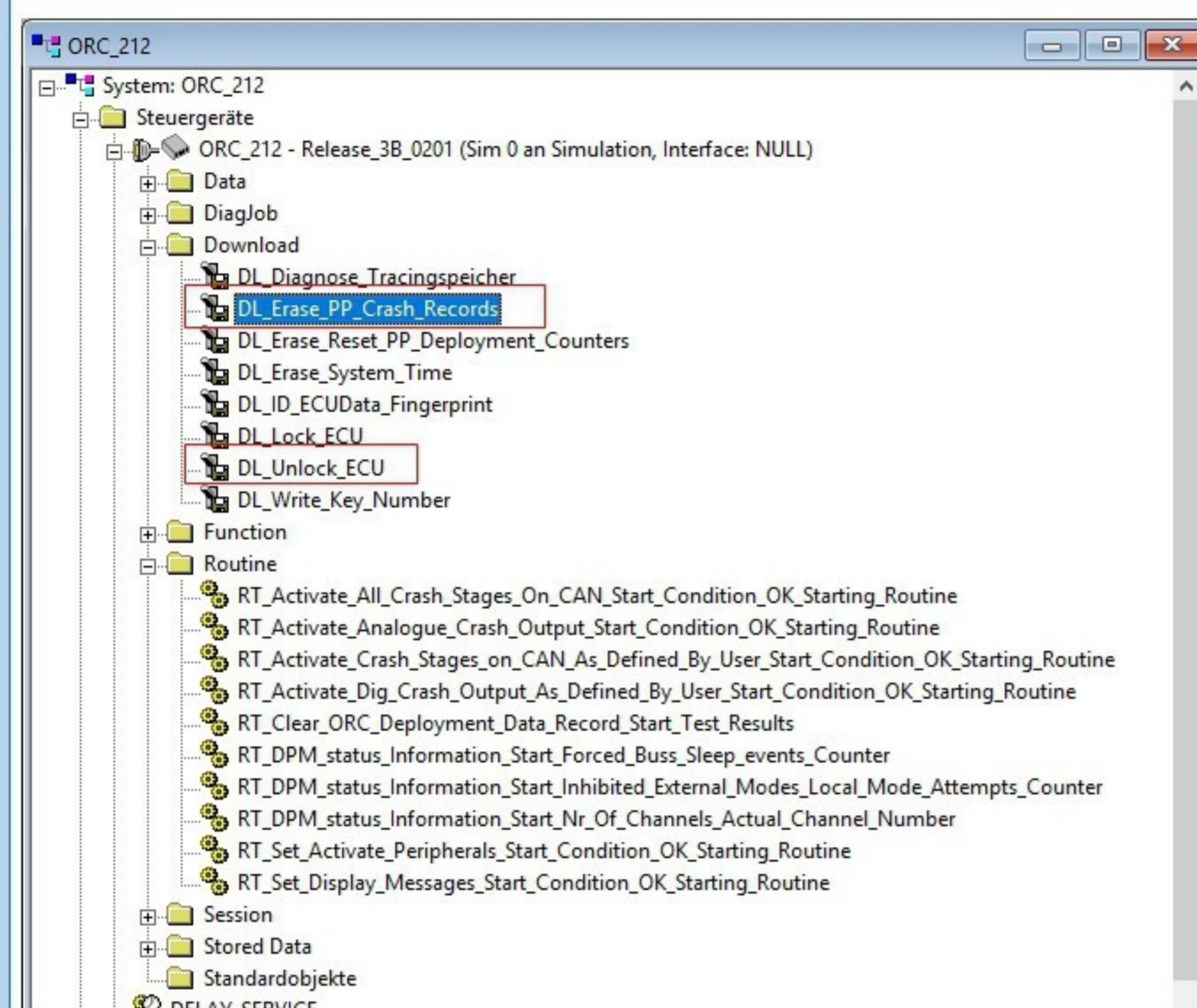
Save the complete variant codings of the IC.

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 want 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

Vehicle: 204.077 Ignition ON Control unit: REAR SAM

Rear signal acquisition and actuation module

- Control unit version
- Fault codes
- Event memory
- Actual values
- Actuations
- Initial startup
- Control unit adaptations
- Complete list of guided tests
- Full list of fault codes and events
- Control unit log
- Service information
- Troubleshooting by means of complaints or symptoms

Development data

3. select control unit adaption

Vehicle: 204.077 Ignition ON Control unit: REAR SAM

Main menu of control module SAMH204

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

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

Vehicle: 204.077 Ignition ON 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 Lichtfunktion:

Vehicle: 204.077 Ignition ON Control unit: REAR SAM

Control unit adaptations

- 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 Ignition ON 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 Ignition ON 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 Ignition ON Control unit: REAR SAM

Parameter Lichtfunktion

PRL_BackLmpEnableRgt_b	freigegeben
PRL_SL_TurnInd_FogLmp_b	ja

- 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 Control unit

Control unit adaptions

Read coding and/or transfer download data to new control unit.

- Control unit adaptions (Variant coding)**
- Control unit adaptions (Download)

5. Go to the Parameter Lichtfunktion:

Vehicle Control unit

Control unit adaptions

- rrregaben mvv-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 Control unit

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 Control unit

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 Control unit

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 Control unit

Parameter Lichtfunktion

Is the coding to be transferred to the control unit?

8. select yes

Vehicle Control unit

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)		<u>vorhanden</u>
SA: Heckrollo (C540)		nicht vorhanden
SA: Anhängerkupplung (C550)		vorhanden

SAM-H before coding

DAS Deutsch		FIN : WDB2112161A31
Fahrzeug	211.216	Steuergerät SAM-FO
VCD_EDW_Para_Block1		
Innenraumschutz		zulassen
Nebelleuchten		<u>nicht zulassen</u>
Abblendlicht		<u>nicht zulassen</u>
Schlußlicht		<u>nicht zulassen</u>
Blinklicht links und rechts		zulassen
Innenlichtansteuerung		zulassen
IRS deaktivieren bei DBE-Regenschliessung		deaktivieren

SAM-H after coding

DAS Deutsch		FIN : WDB2112161A31
Fahrzeug	211.216	Steuergerät SAM-FO
VCD_EDW_Para_Block1		
Abschleppschutz		zulassen
Innenraumschutz		zulassen
Nebelleuchten		<u>zulassen</u>
Abblendlicht		nicht zulassen
Schlußlicht		<u>zulassen</u>
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?

Explanations:

- Since 2009 the speedlimit assist was integrated quite rudimental. He does recognize the speedlimits but not the clearing speedlimits. This function has been given by a software update. And some additional signs are recognized 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 multifunction cam does 3 functions

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 does the IHC and the SLA or TSA and lane assist

Just cars with a lane assist may have activated the Sign recognition by coding

All others 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 assist Code 238/476

Command Code 512/527

Newer carlines do not need anymore the command.

205/253/222/217/213/238:

Lane assist 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

Command needs to be retrofitted.

212/207/218/166/176/246/172/231/292/117/156:

IHC Code 608

Command 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 change of the windshield and some wiring

Command 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 together 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

The screenshot shows the 'Varianten Kodierung - MCMSFR221' window. The 'Dienste' dropdown is set to 'VCD_Variantenkodierung'. The 'Aktuelle Kodierung' table lists various features and their status:

Fragmente	Werte
5 Hz Filter für ay	nicht aktiv
Abschaltung bei Bordnetznotlauf	aktiv
Anzeige Beifahrersitzbelegung	aktiv
Anzeige Istwert = Sollwert	nicht aktiv
Auswertung Sitzbelegung SBR Matte	aktiv
BR221	nicht aktiv
Direktlenkung	aktiv
FDS	aktiv
FDS Status speichern	aktiv
Klemme 30g Abschaltung	aktiv
Kurzzeitregelung	aktiv

The 'Auswahl' section shows the selected variant 'EF AB AF 00'. Below it, a table shows the selected 'FDS' feature with its 'Werte' and 'Supplement Key':

Fragmente	Werte	Teile-Nummer	Supplement Key
FDS	aktiv		000
	nicht aktiv		000H

At the bottom of the window, there are buttons for 'Speichern in Datei', 'Manuell Kodieren', 'SG-Kodieren', and 'Schließen'. The status bar at the bottom left shows '0.21', 'FR221 hergestellt.', 'hrt: EF AB AF 00', and 't: EF AB AF 00'.

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