

VCDs  
CODING

## Retrofit Active TMPS Seat Leon KL

### 1. Tools needed:

- VCDs or ODIS or VCTool
- Tool to remove FSD
- 1 antenna (5Q0 907 273 B):



- 4 sensors (5Q0 907 275F)



- Or buy a complete set on Ebay (Look for 5Q0907273B)



- Torx
- Socket 10mm
- Small screwdriver
- Tape to isolate the wire's ( I used fabRICTape as OEM)
- Plastic removal kit
- 2 a 3 hours off you time
- Somebody to put in the sensors in the wheels
- A pair of brains



2. Remove the rolling dek from the trunk:

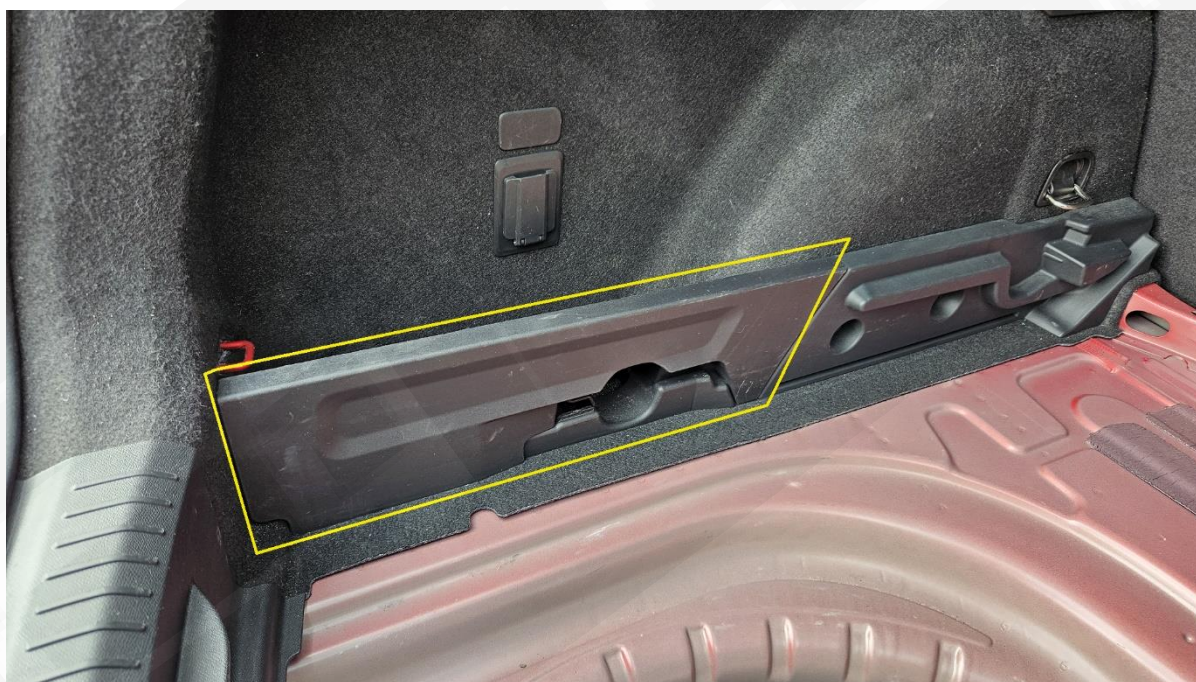




3. Remove this part by pulling up:



4. Remove this part by pulling up:



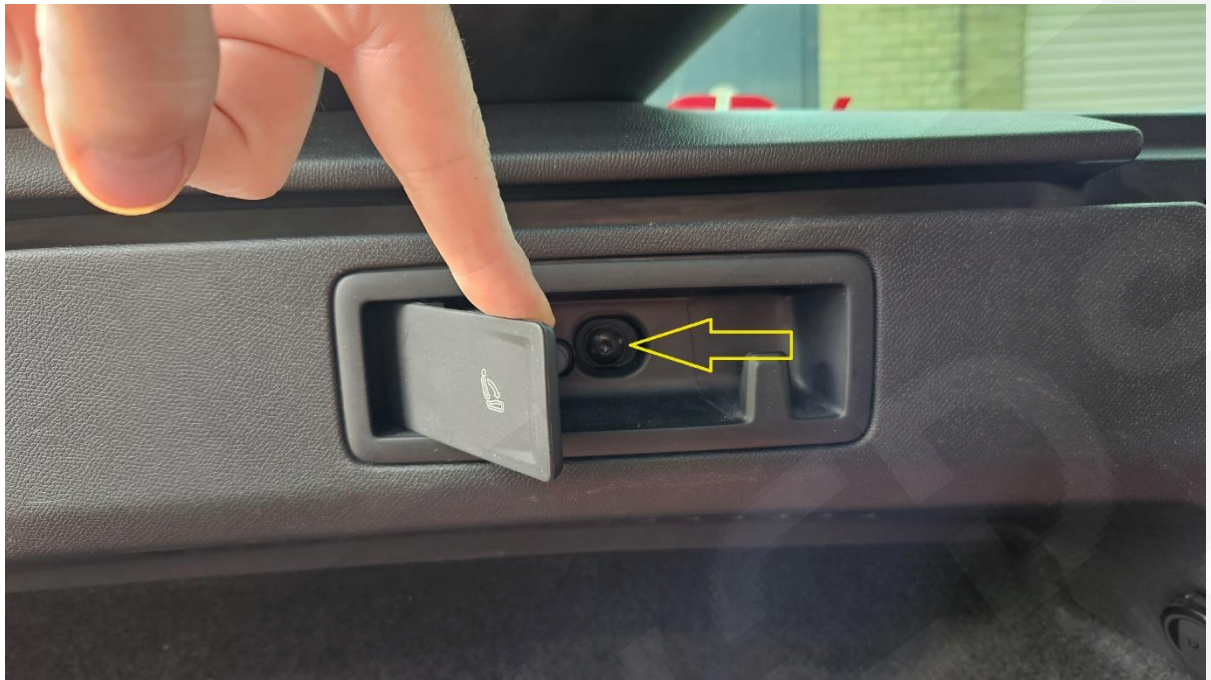


5. Remove 3 plastic caps with a screwdriver:





6. Remove the following screws:



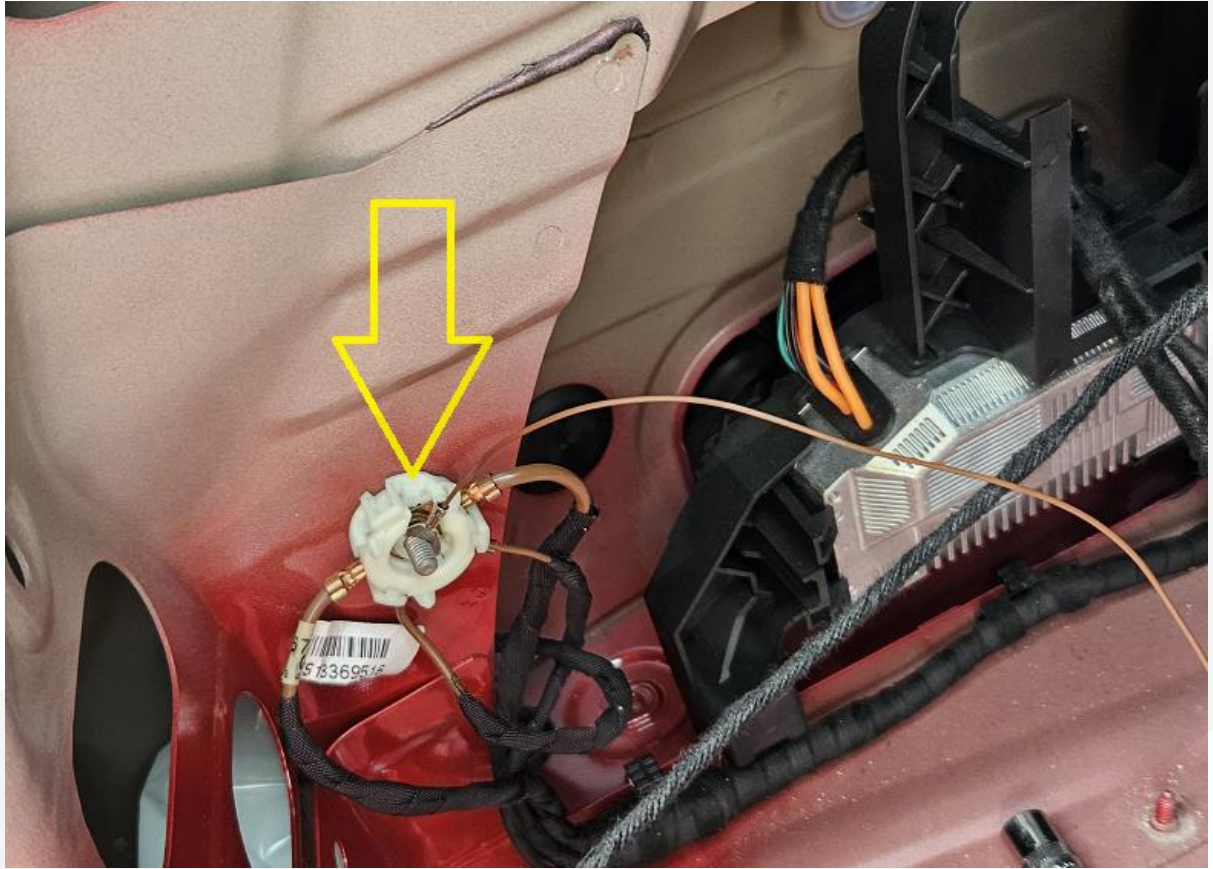


7. Pull the side panel inwards:



**Opmerking:** Iff you have a socket (230v) you cant remove the whole panel

- 8.** Conect the 12v negative on this spot:



- 9.** Place the antenne somewhere here also. It dont need to mounth at the wheelarch.

- 10.** Now we can bring the canbus wires and teh 12v Positive tot he front off the car.

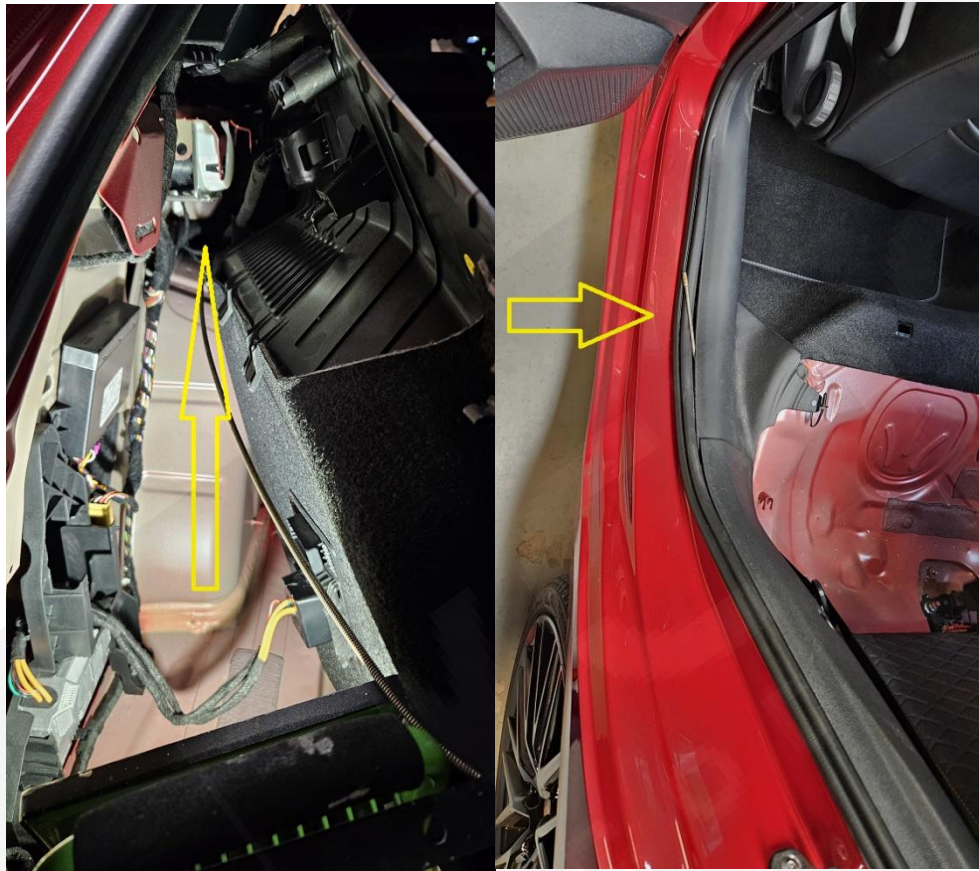


**11.** Pul up the backseat and disconnect the seat recognition. Remove the back seat





12. Use a wire of a drawspring to get the wires over the wheel arch tot he front like below:





- 13.** Remove the hood handle by using a flat screwdriver or a tool to unlock the handle and remove it from its spot.

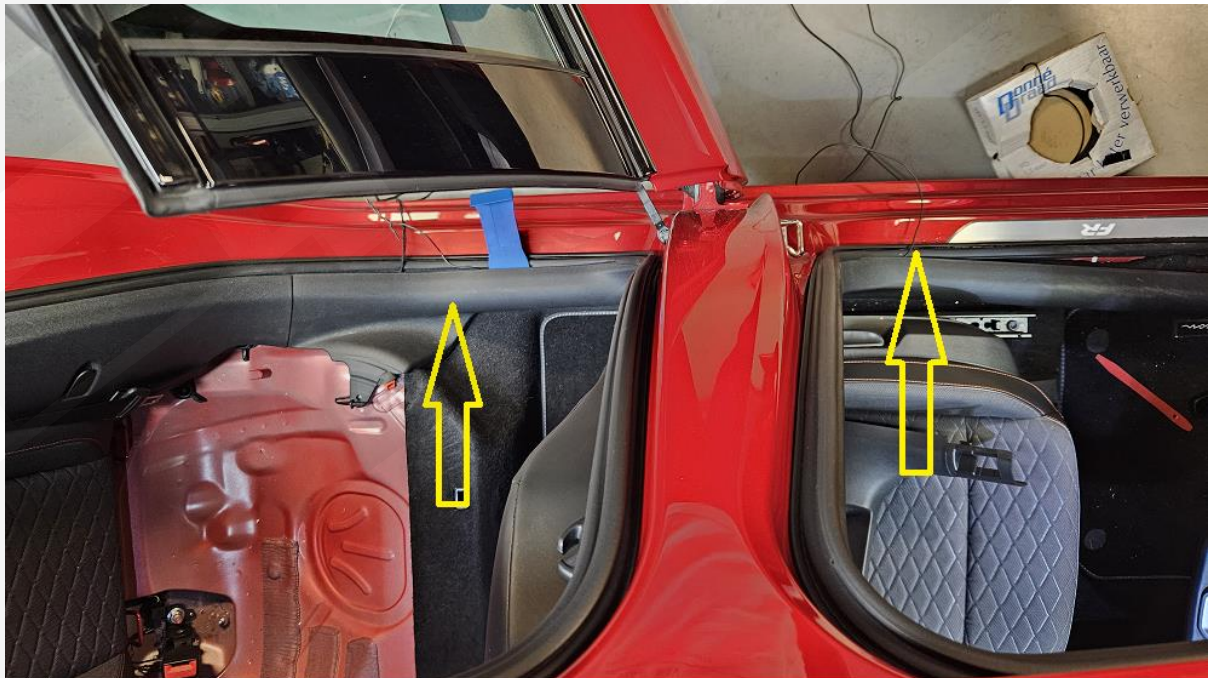




**14.** Remove the panel by pulling this out and remove the panel.



**15.** Now use a wire of pulling spring to get the wires to the front of the car:

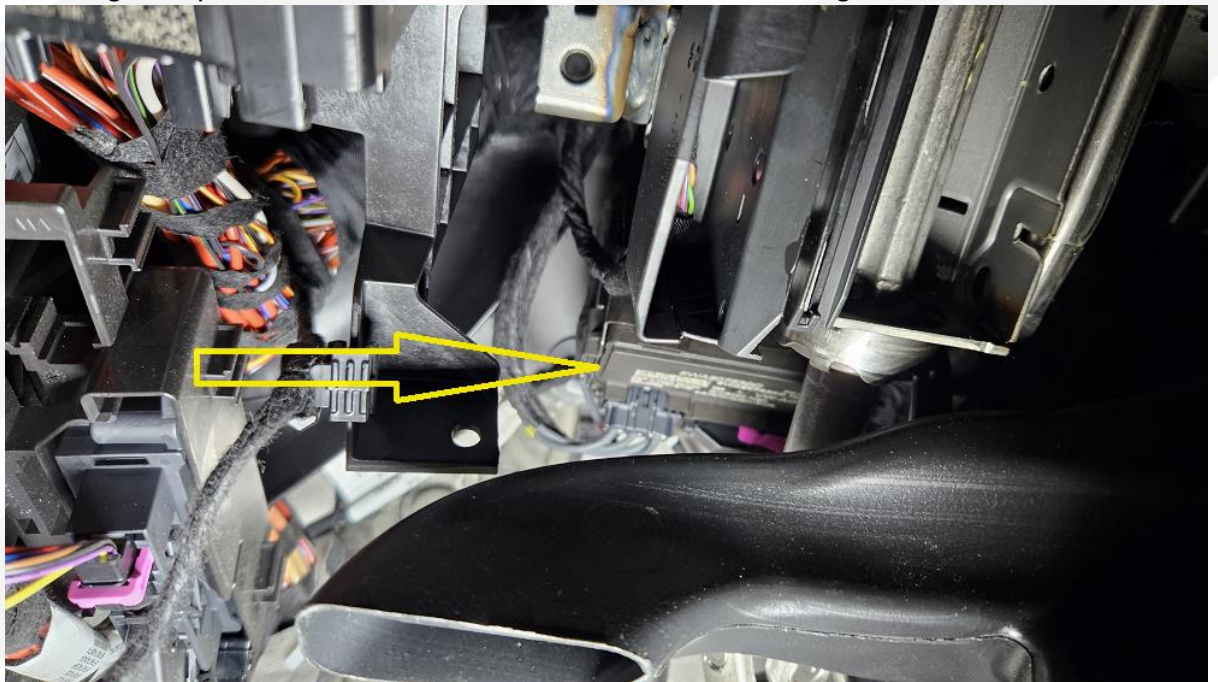




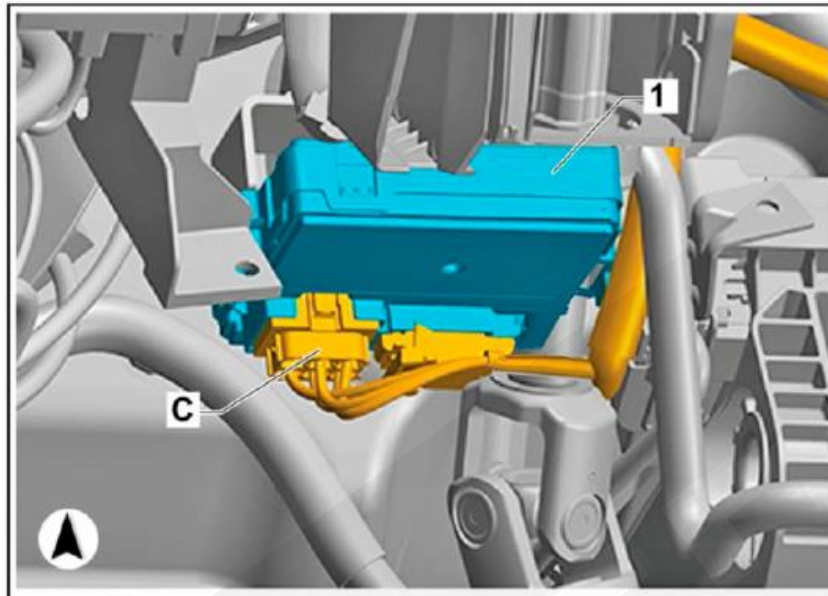
**16.** Remove 3 screws.



**17.** Look for the gateway under the dashboard. Is hidden between the steering axle.

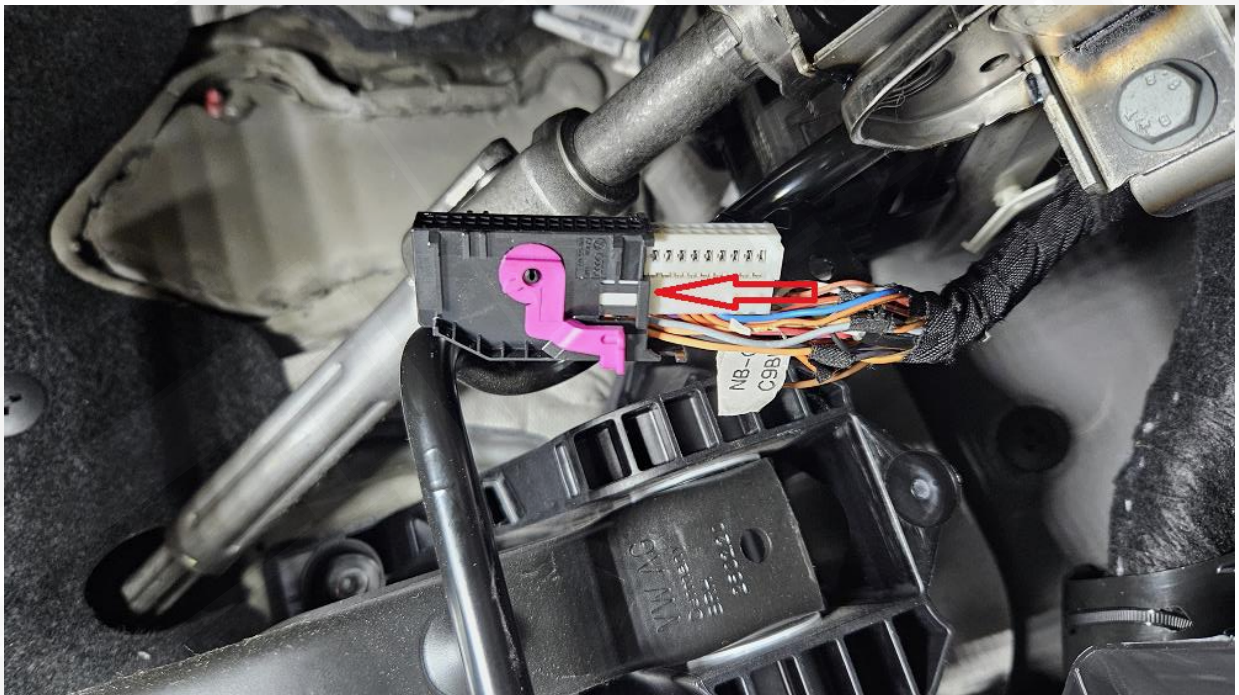






**18.** Remove the 32 pin connector by pulling up the purple lock.

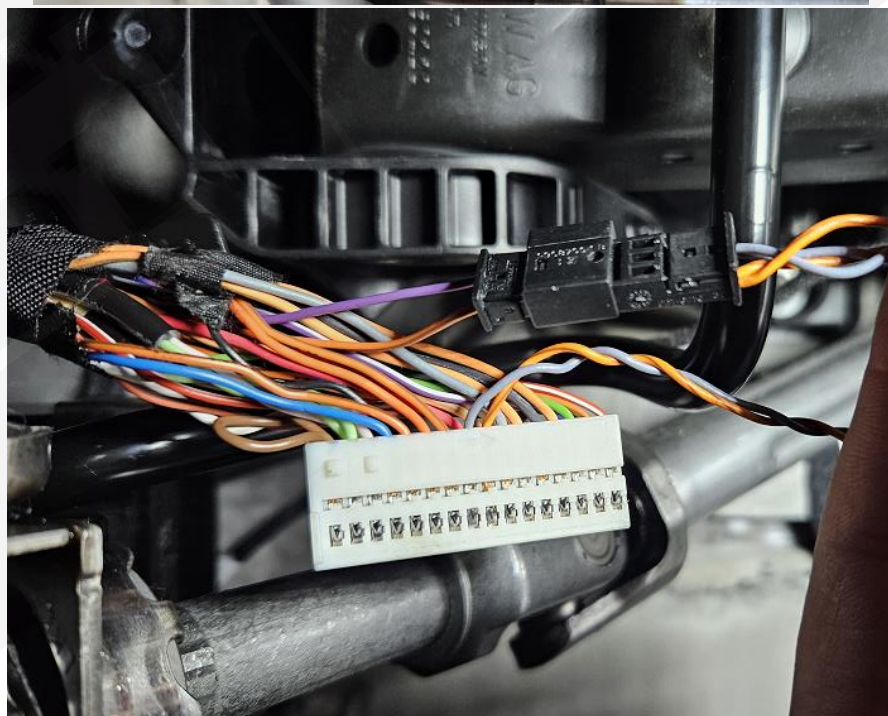
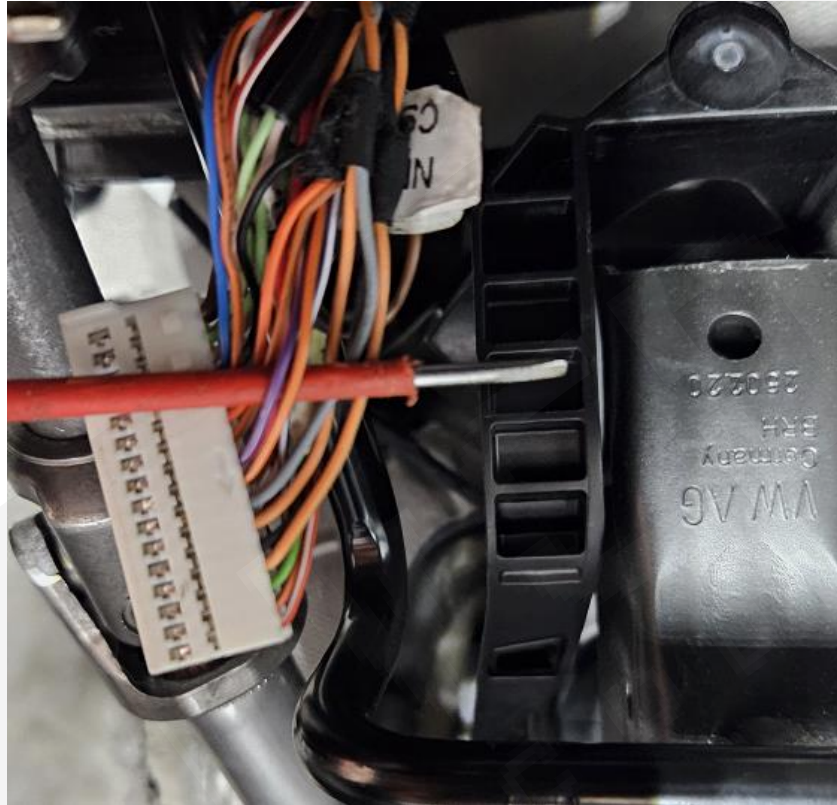
**19.** Remove the shell by unlocking this ridge:



**20.** Connect the canbus wires as follows:

Pin 8 on the Gateway ( CAN Low ) Oranje/Bruin

Pin 9 on the Gateway ( CAN High) Paars



**21.** Connect the 12V positive on the fusebox on a free space and go to the next step



## CODING:

**22.** Coding can be done with VCDS / VCP /ODIS / VCtool

**23.** At first unlock FSD from the following module's

- 03 ABS
- 17 Tacho
- 5F Mdiaunit
- 19 Gateway

Iff you did that then you can code:

### Module 03 ABS

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

Byte 37 **deactivate Bit 4**

### Module 17 Tacho:

Byte 3 **Activate Bit 7**

Byte 4 **Deactivate Bit 0**

Byte 11 **Activte Bit 2**

### Module 19 Gateway:

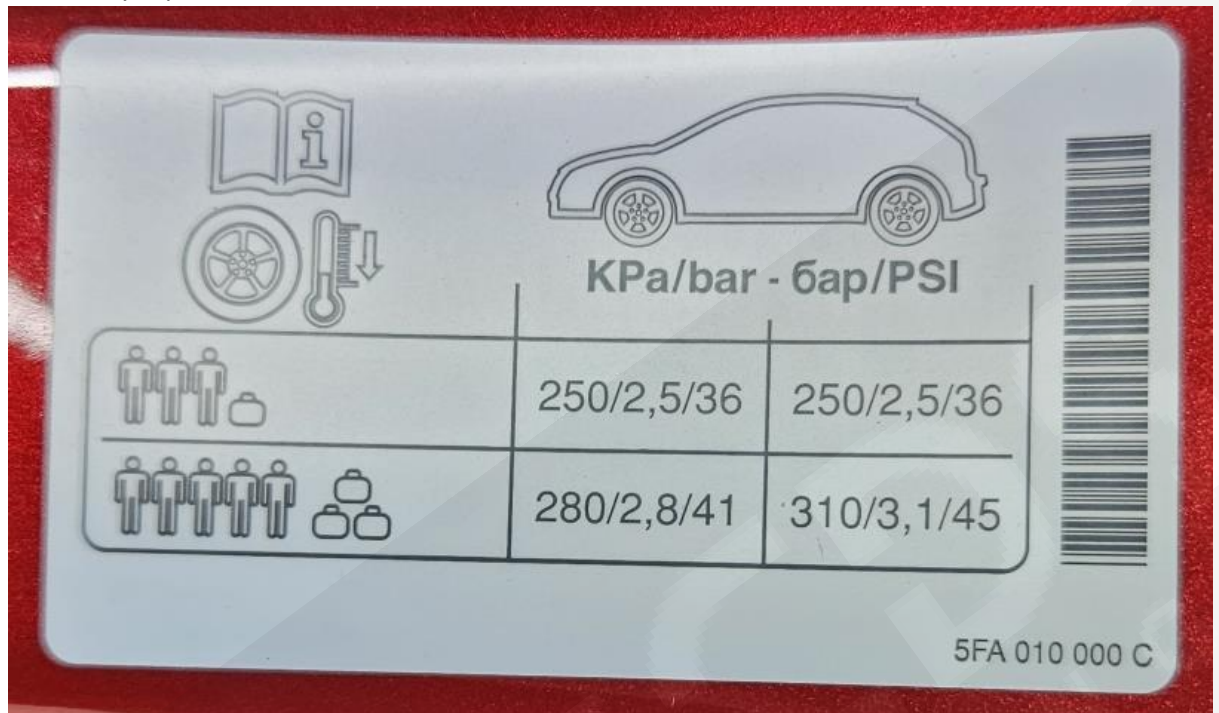
**Go to installation liost and check module 65**

### Module 5F:

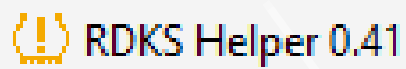
Go to adaption and tool for **Tire\_pressure\_system 0x07 bus en change this to CAN\_infotainment.** ( OEM Suspension databus)

**24.** Lock all modules and reset the mediaunit bij holding the on/off button for 10sec . After that lock the ca rand wait 10 minutes.

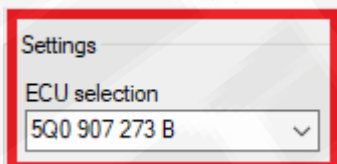
25. Look for the tyre pressure sticker on the car



26. Now open RDKS-Helper-0.41




27. Select 5Q0 907 273 on the left corner at the top.





## 28. Put in all values you want with RDKS Helper:

 RDKS Helper 0.41

[www.dunt.at](http://www.dunt.at)

**Settings**

ECU selection: 5Q0 907 273 B ALF ID: 24 Login: 20103 Start Address: 0x7E0800 Typ: 22 Version: 25 Dataset Name: 5Q0907273B ☒ Comfort

**Tire Pressure 1**  
☒ active  
Name: 225/40R18  
Standard: 2.5 OK Full load: 2.8 OK Comfort: 2.4 OK  
2.5 OK 3.1 OK 2.4 OK

**Tire Pressure 2**  
☒ active  
Name: 225/35R19  
Standard: 2.4 OK Full load: 2.8 OK Comfort: 2.3 OK  
2.4 OK 3.1 OK 2.3 OK

**Tire Pressure 3**  
☒ active  
Name: Rollerbank Mode  
Standard: 2.7 OK Full load: 2.7 OK Comfort: 2.7 OK  
2.7 OK 2.7 OK 2.7 OK

**Tire Pressure 4**  
☐ active  
Name: 205/50 R17  
Standard: 2.0 OK Full load: 2.0 OK Comfort: 2.0 OK  
2.0 OK 2.0 OK 2.0 OK

**Tire Pressure 5**  
☐ active  
Name: 205/50 R17  
Standard: 2.0 OK Full load: 2.0 OK Comfort: 2.0 OK  
2.0 OK 2.0 OK 2.0 OK

**Tire Pressure 6**  
☐ active  
Name: 205/50 R17  
Standard: 2.0 OK Full load: 2.0 OK Comfort: 2.0 OK  
2.0 OK 2.0 OK 2.0 OK

**Tire Pressure 7**  
☐ active  
Name: 205/50 R17

**Tire Pressure 8**  
☐ active  
Name: 205/50 R17

**Individual**  
Name: Individual

Create  
☐ VCP .xml ☐ Odis-E .xml ☒ .bin

Create Dataset



**29.** Iff you are don than create dataset to use with VCP / ODIS /VCTool.:

RDKS Helper 0.41      www.dunt.at

Settings

ECU selection:       ALF ID:       Login:       Start Address:       Typ:       Version:       Dataset Name:       ☒ Comfort

---

**Tire Pressure 1**

☒ active

Name:

Standard	Full load	Comfort

**Tire Pressure 2**

☒ active

Name:

Standard	Full load	Comfort

**Tire Pressure 3**

☒ active

Name:

Standard	Full load	Comfort

**Tire Pressure 4**

☐ active

Name:

Standard	Full load	Comfort

**Tire Pressure 5**

☐ active

Name:

Standard	Full load	Comfort

**Tire Pressure 6**

☐ active

Name:

Standard	Full load	Comfort

**Tire Pressure 7**

☐ active

Name:

**Tire Pressure 8**

☐ active

Name:

**Individual**

Name:

Create

☒ VCP.xml   
 ☐ Odis-E.xml   
 ☐ bin

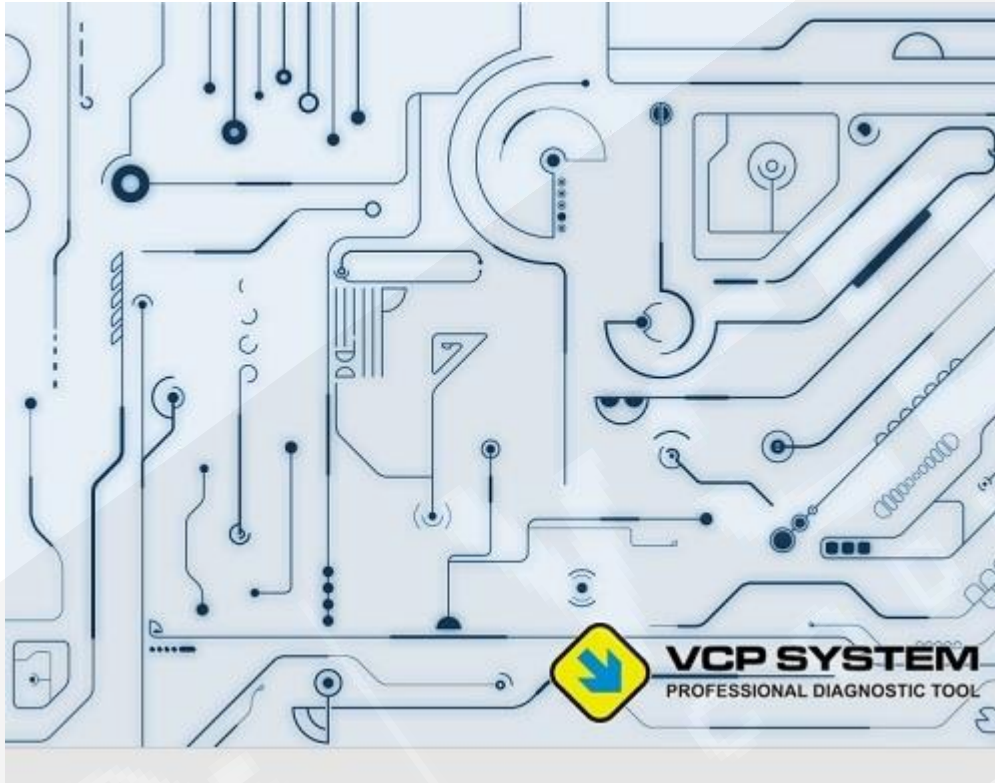
Create Dataset

[illegible]

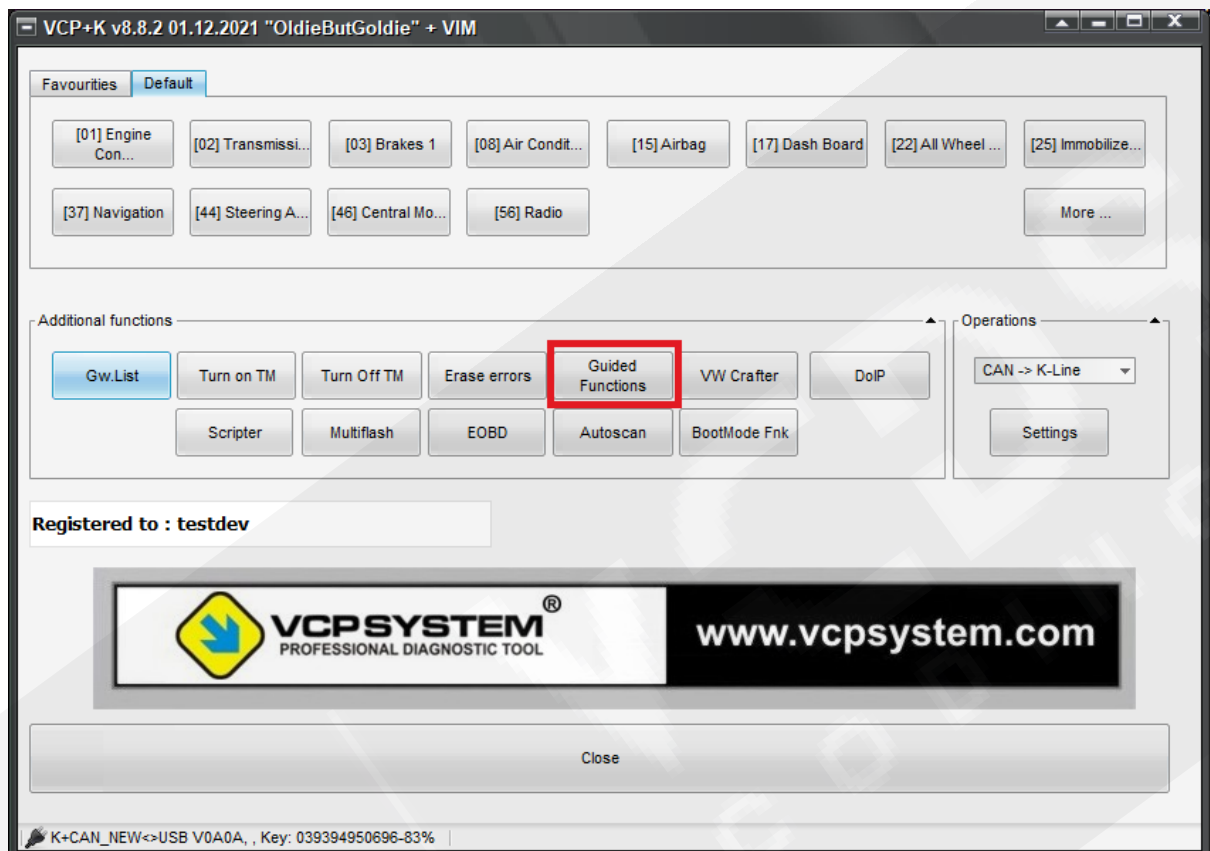


# Loading dataset en connect the sensors with VCP:

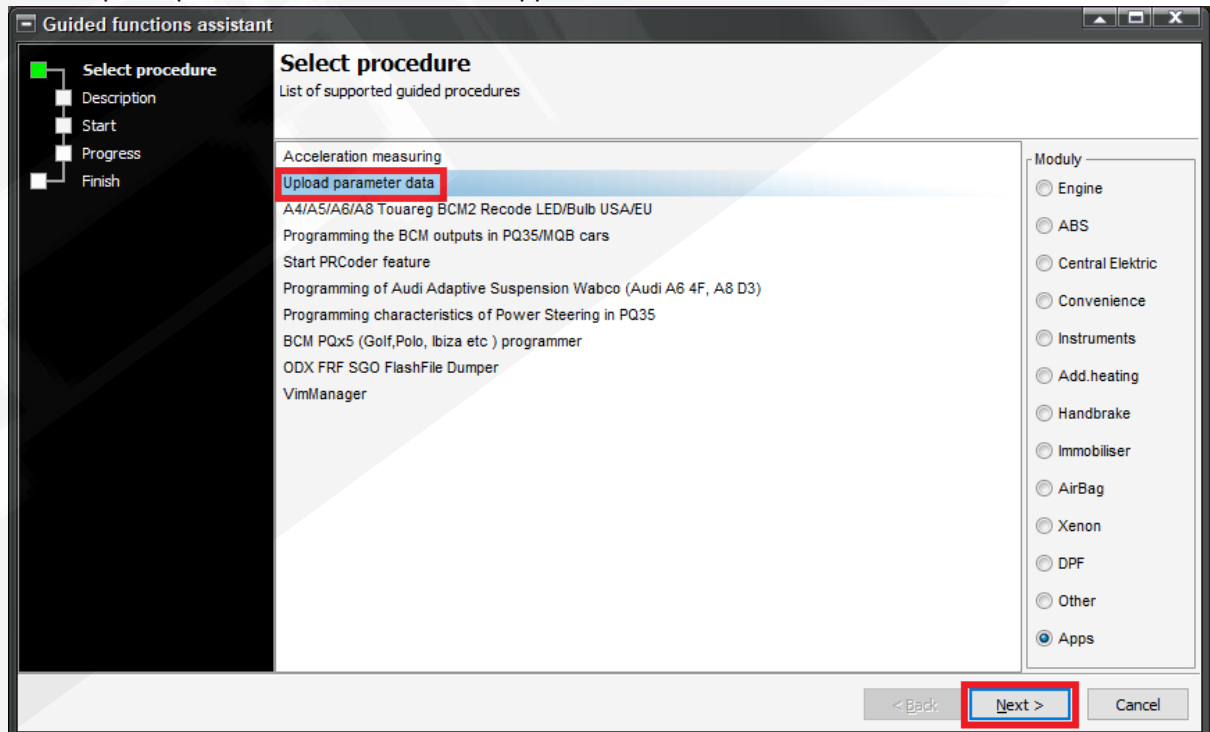
30. Open VCP:



### 31. Go to Guided functie



### 32. Go to upload paramaterset below sectio Apps and click next





33. Select module 65 and check EraseFullMemory.

**Config Data uploader**

**ZDC Info**

Login code:

Upload address:

Paramset no:

Paramset ver:

PRNR-Ref:

ALFID:  ☒ EraseFullMemory

Tester:  WSC:


Importer:

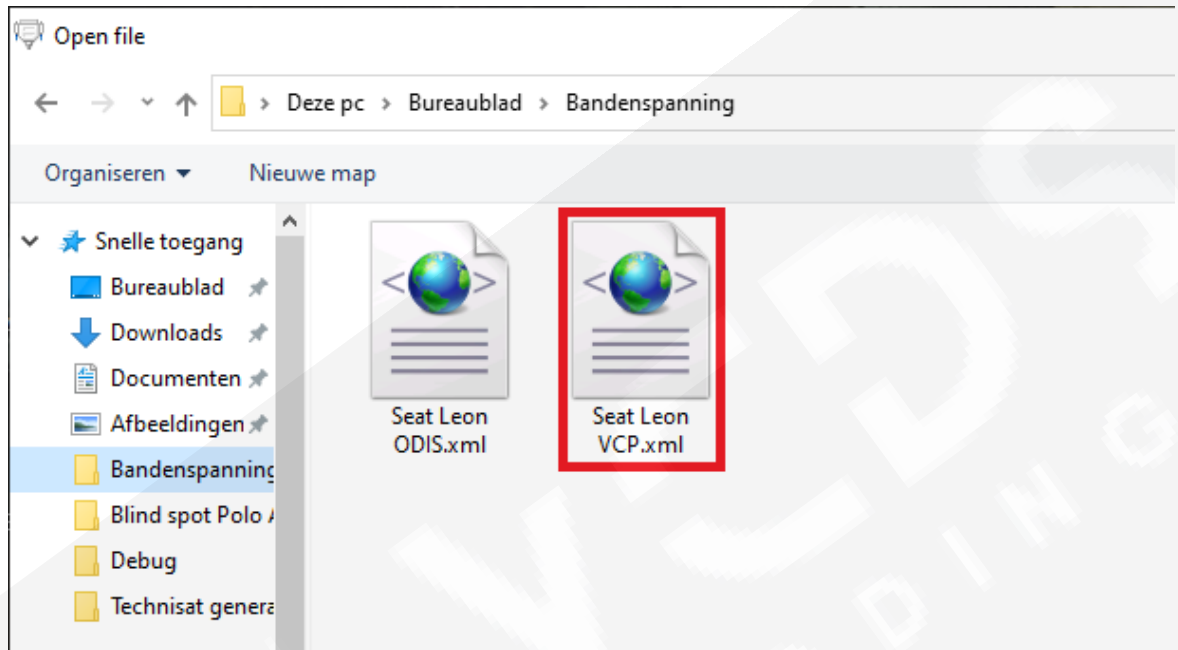
**ECUs**

AW	Name
35	Central Locking Control Module
45	Interior Monitoring
55	Headlight Regulation
65	Tire Pressure Monitoring 1
75	Telematics Communication Unit
10	Vehicle Status Data Bus

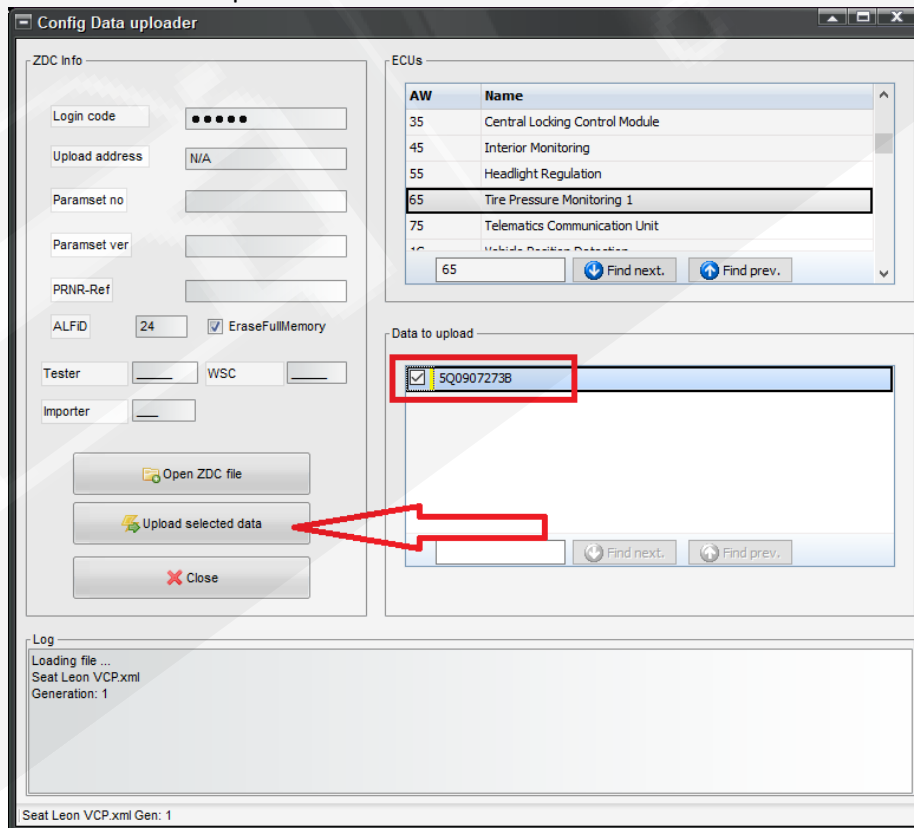
65

**Data to upload**

34. Select the dataset you made with  RDKS Helper 0.41



35. Check the dataset en upload the selected dataset:

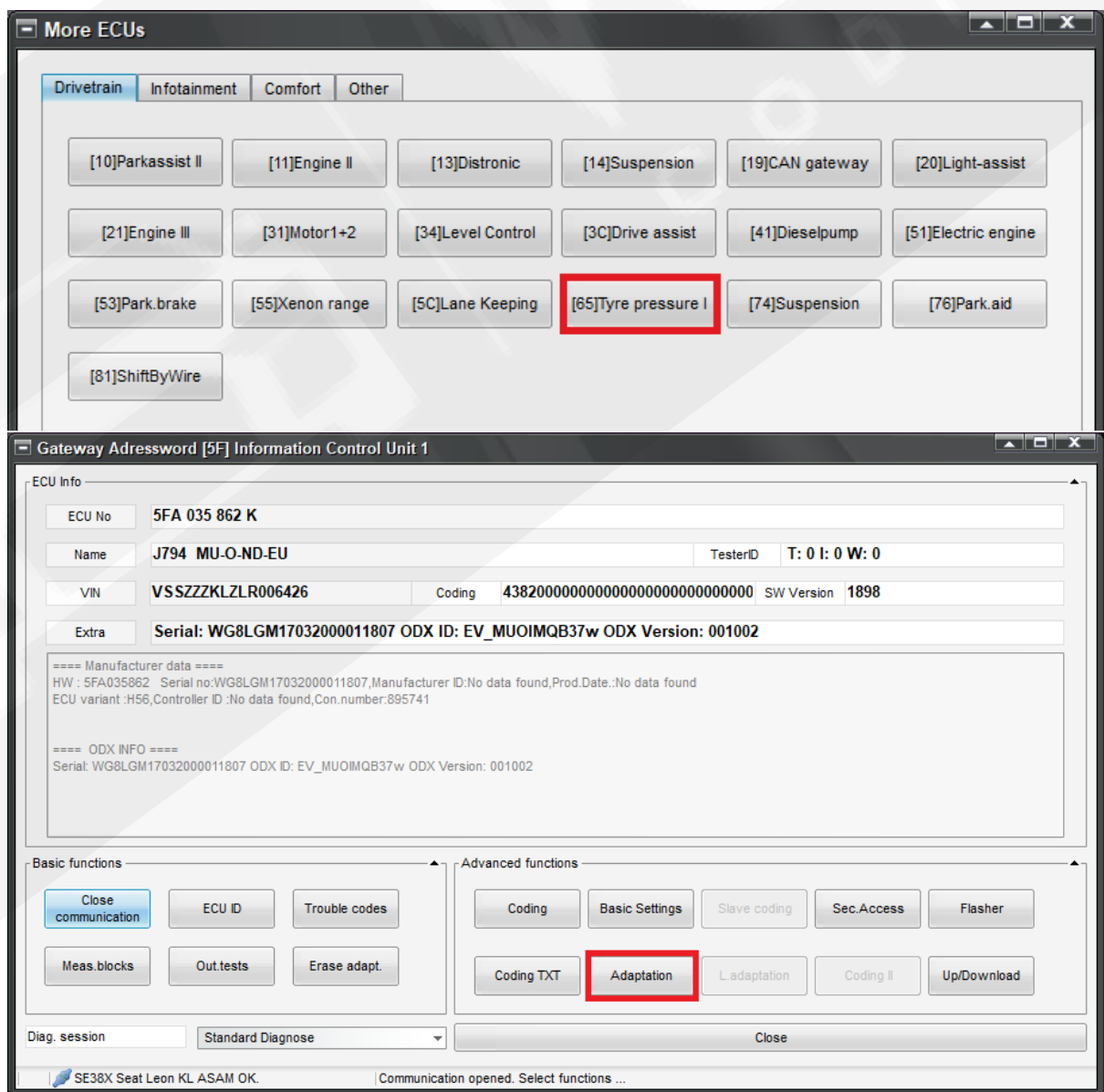




36. Wait till the flashing is finished:



37. Go to Module 65 -> adaptation



### 38. Set session to EOL VW

Gateway Adressword [65] Tire Pressure Monitoring 1

ECU Info

ECU No: 5Q0 907 273 B

Name: J502\_RDKBERU30 TesterID: T: 0 I: 0 W: 0

VIN: --- Coding SW Version: 0009

Extra: Serial: 30000000029654 ODX ID: EV\_RDKBERU30 ODX Version: 006001

==== Manufacturer data ====

HW : 5Q0907273 Serial no:30000000029654,Manufacturer ID:No data found,Prod.Date.:No data found  
ECU variant :H04,Controller ID :No data found,Con.number:895741

LogicalBlock[0] : ProgrammingDate: 00.00.00 TesterID: [0,0,0] Status: 00  
LogicalBlock[1] : ProgrammingDate: 00.00.00 TesterID: [0,0,0] Status: 00  
LogicalBlock[2] : ProgrammingDate: 00.00.00 TesterID: [0,0,0] Status: 00

==== ODX INFO ====

Serial: 30000000029654 ODX ID: EV\_RDKBERU30 ODX Version: 006001

Basic functions

Close communication ECU ID Trouble codes

Meas. blocks Out.tests Erase adapt.

Advanced functions

Coding Basic Settings Slave coding Sec.Access Flasher

Coding TXT Adaptation L.adaptation Coding II Up/Download

Diag. session: **EOL VW** Close

VW37X VW Golf VII / Touran / Tiguan ASAM OK. | Diagnostic session changed

### 39. Select here wich wil be standard when starting the car.

Set Calibration Data for UDS ECUs

List of possible calibration variables

No.	ID	Name
0	1281	SPECIFIED pressure line selection (end of assembly line)
1	1282	Front-axle SPECIFIED pressure comfort
2	1283	Rear-axle SPECIFIED pressure comfort
3	1286	Front-axle SPECIFIED pressure standard
4	1287	Rear-axle SPECIFIED pressure standard
5	1284	Front-axle SPECIFIED pressure fully loaded
6	1285	Rear-axle SPECIFIED pressure fully loaded
7	1288	Type of calibration
8	1289	Load status selected
9	2331	Write sensor identification number

BaseVariant only

Find next. Find prev.

Variable parameters

Name	Type	Data	Parameter
---	TABLE	1	Fully loaded

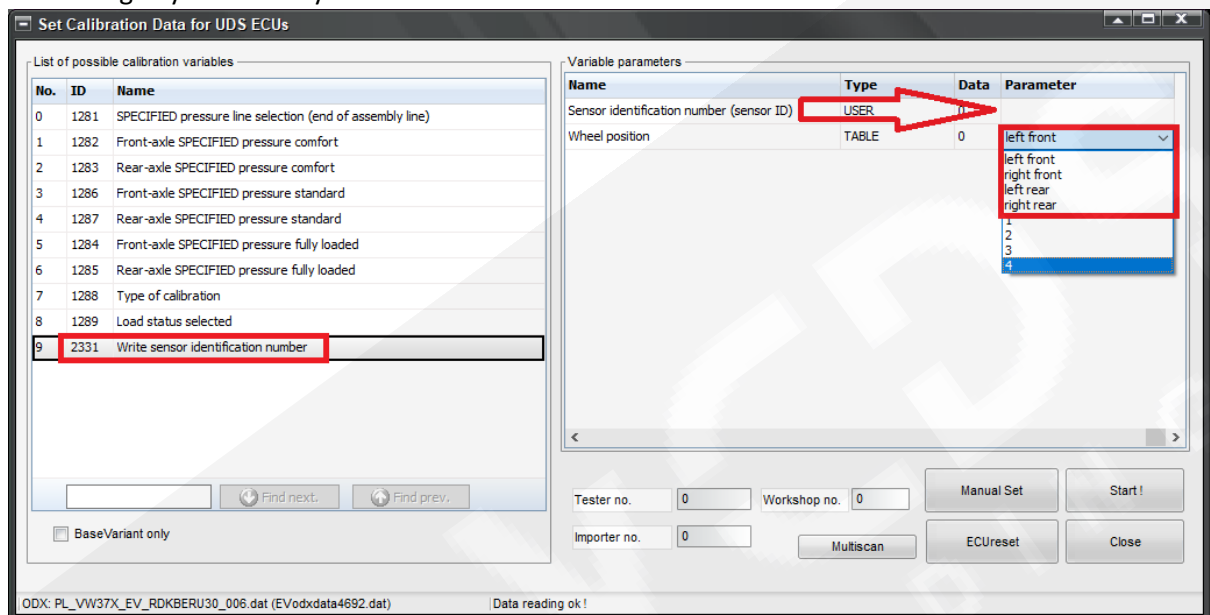
Tester no. 0 Workshop no. 0 Manual Set Start !

Importer no. 0 Multiscan ECURESET Close

ODX: PL\_VW37X\_EV\_RDKBERU30\_006.dat (EVodxdata4692.dat) | Data reading ok !



40. Now put in all the serial numbers from you tyre pressure sensors and mark them where the belong. Iff you already have them in your wheels I hope you have write down al the ID numbers and the position where they are. Changing wheels to another position will give a wrong measuring in you media system.



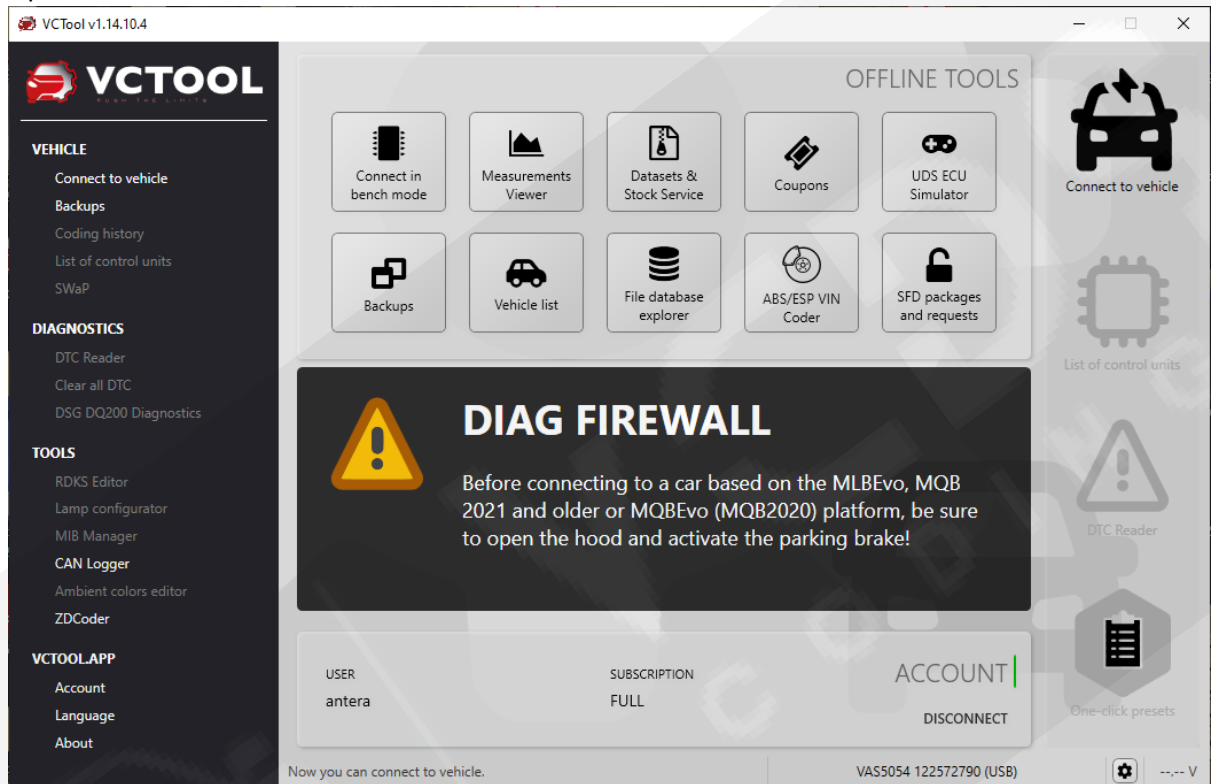
41. If you did lock the car again and wait 10 minute's. Get back in the car and drive for +/- 2km to get readings visible.



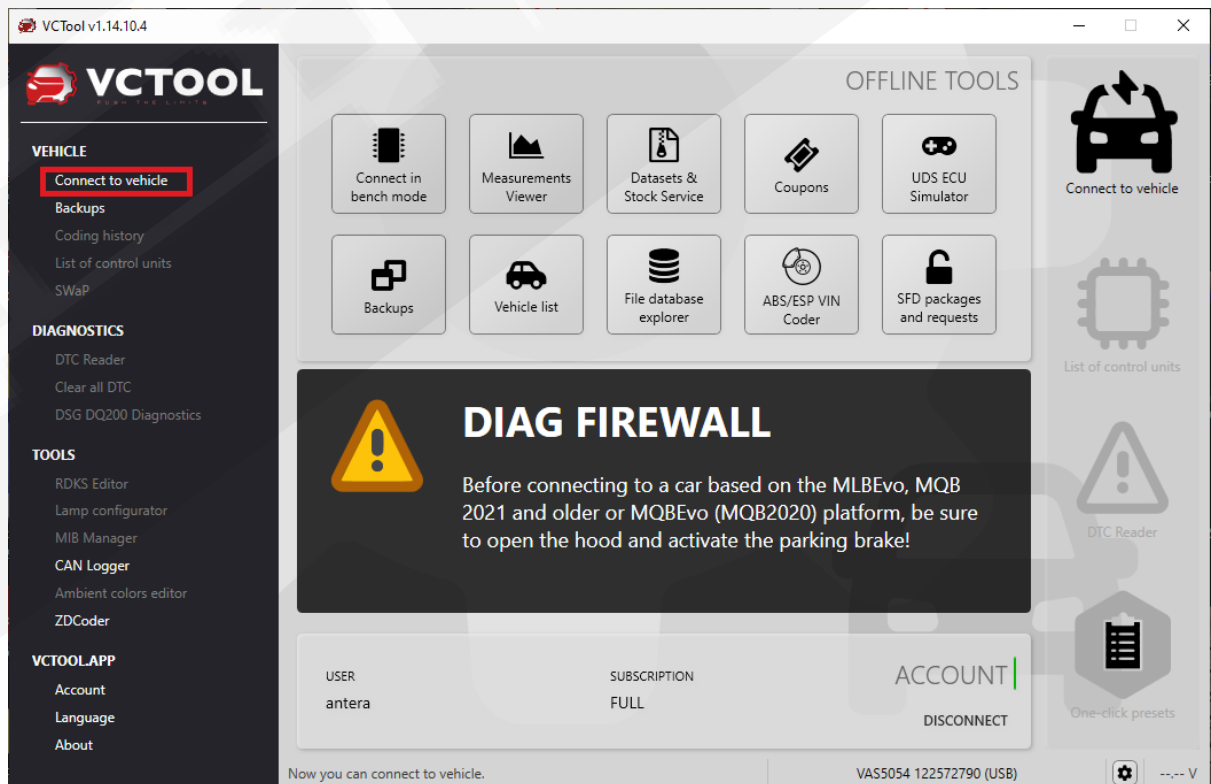


# Flashing + dataset + sensoren with VCTOOL/ODIS

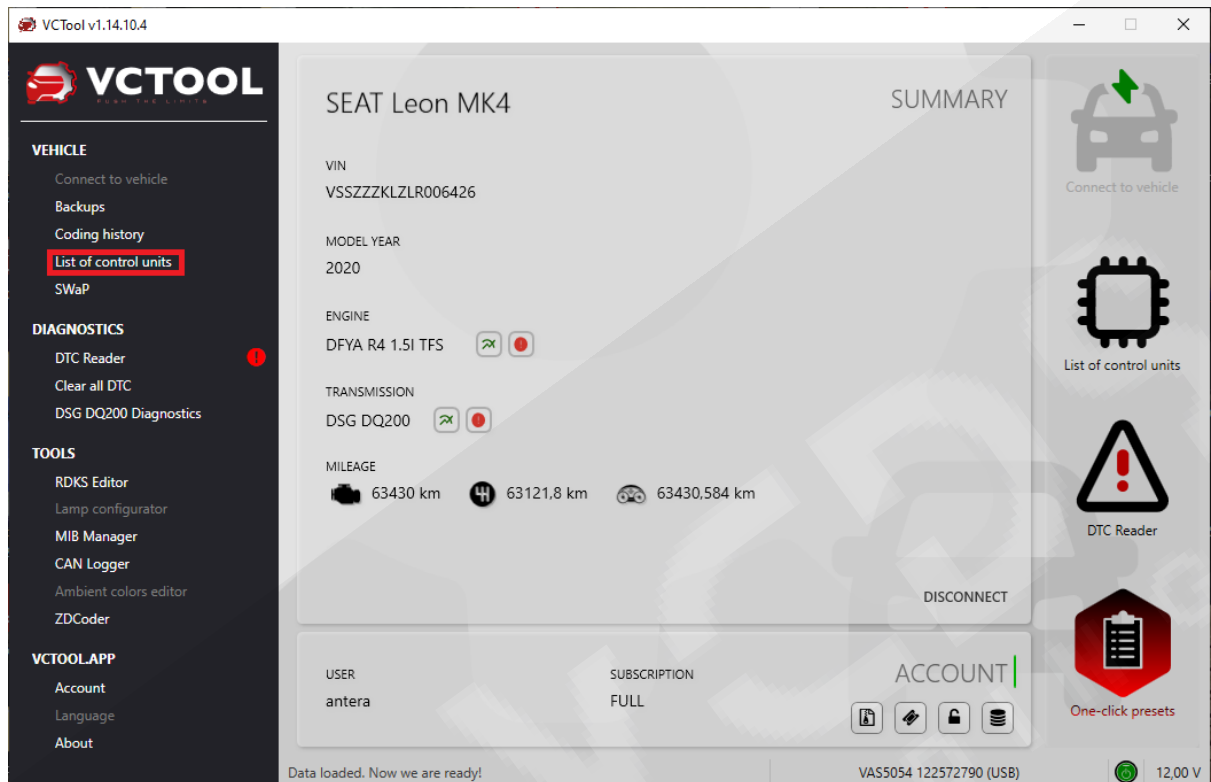
## 42. Open VCTool



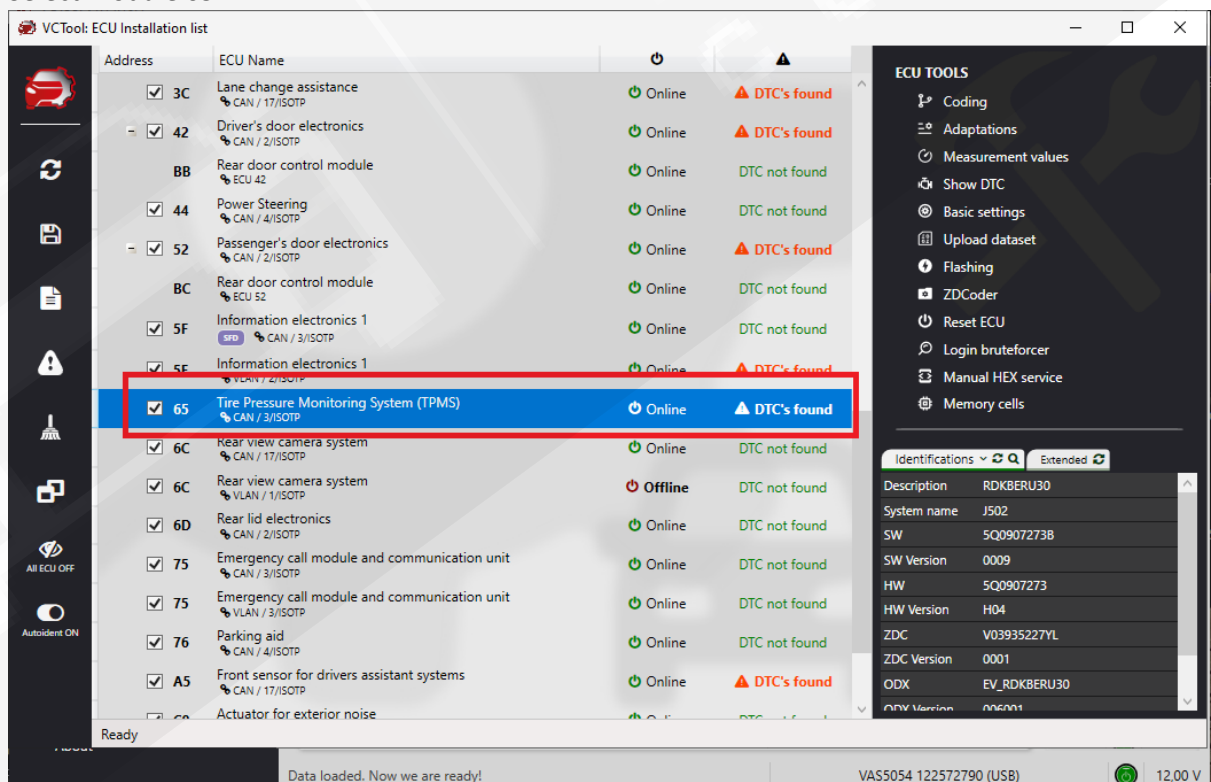
## 43. Connect to Vehicle



#### 44. List of control units aanklikken



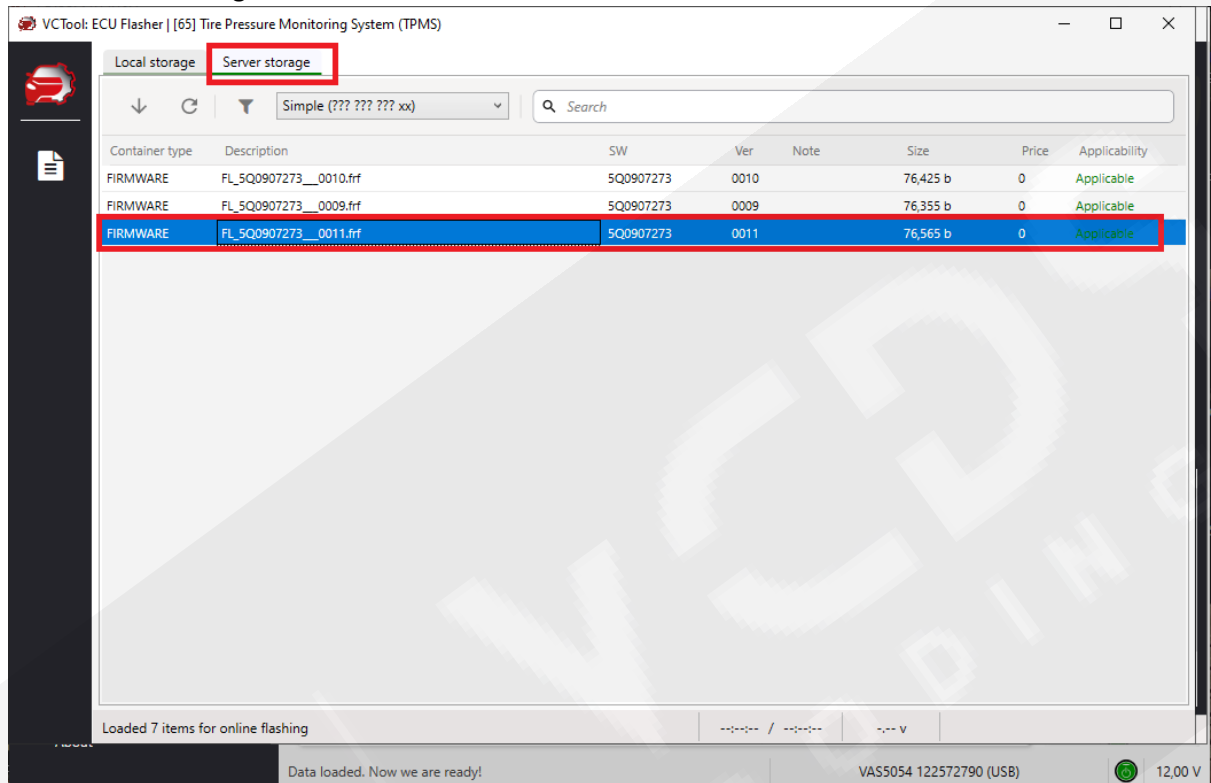
#### 45. Select Module 65



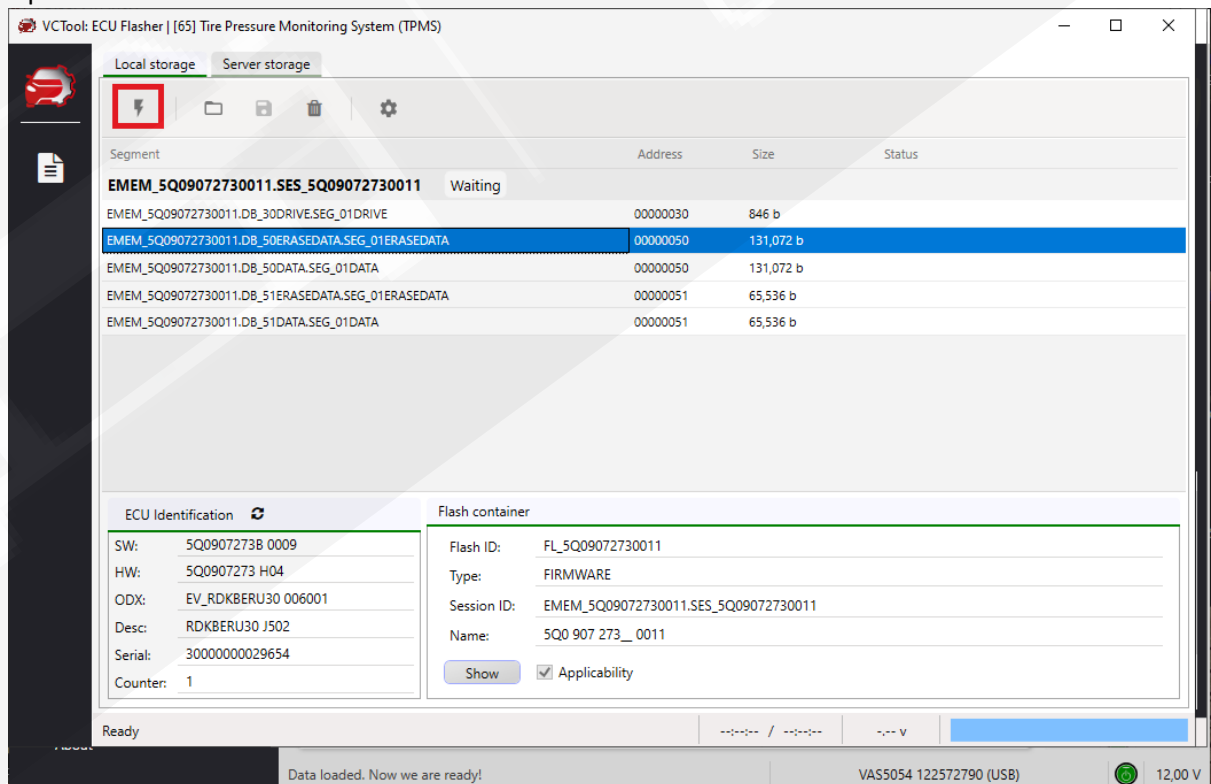


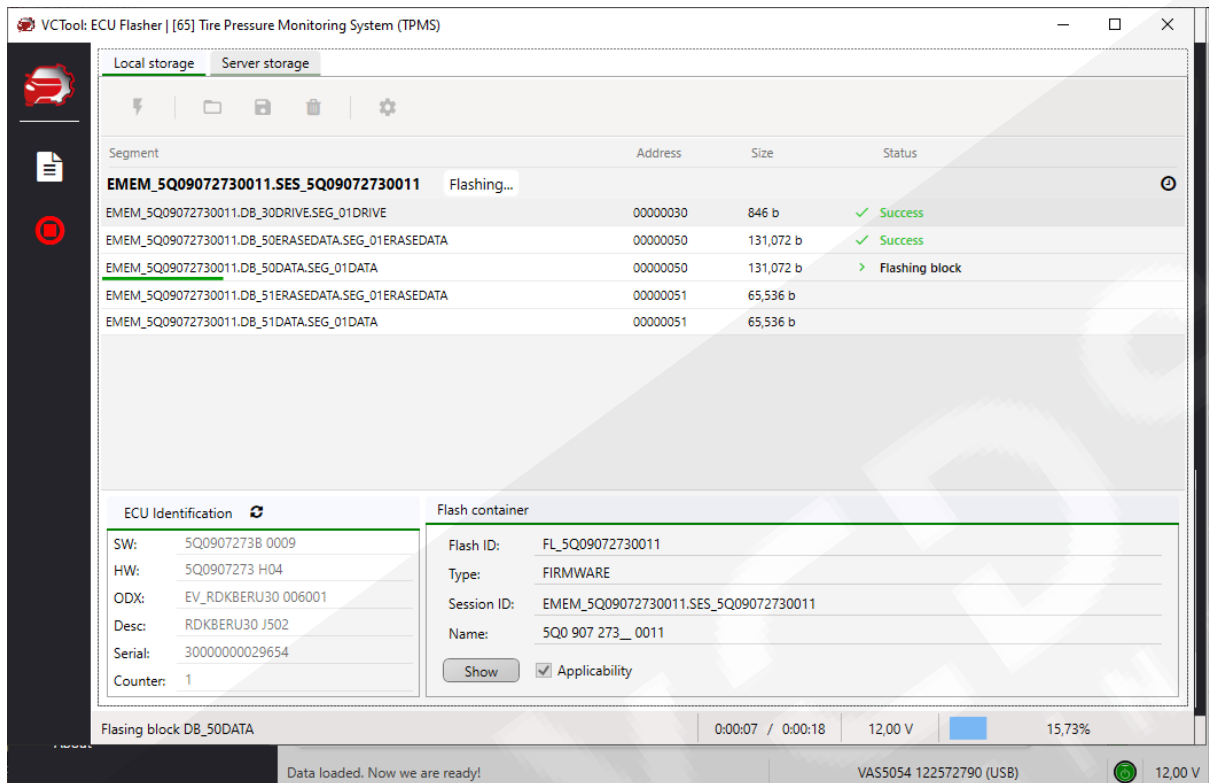
46. Click on Flashing

47. Select Server Storage and select the latest firmware

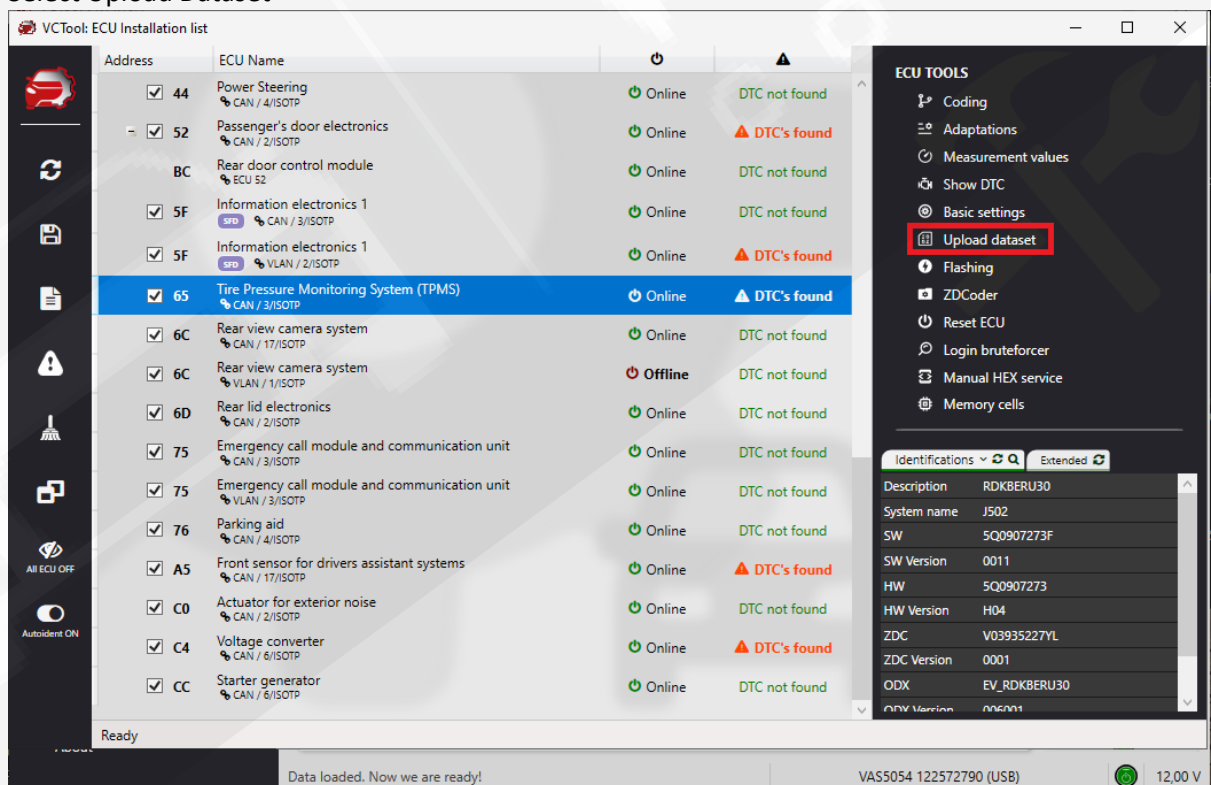


48. Upload this to the car:



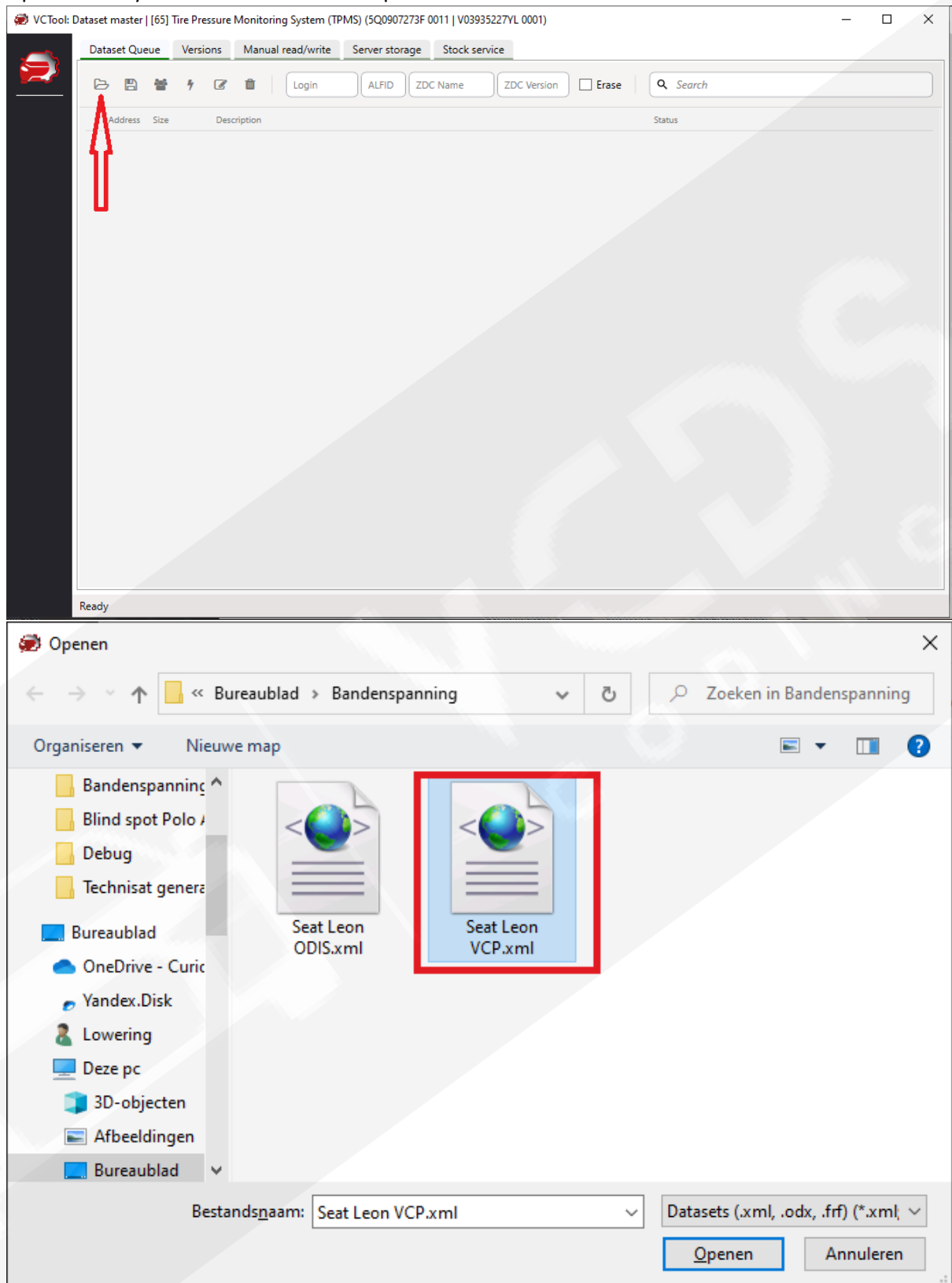


#### 49. Select Upload Dataset

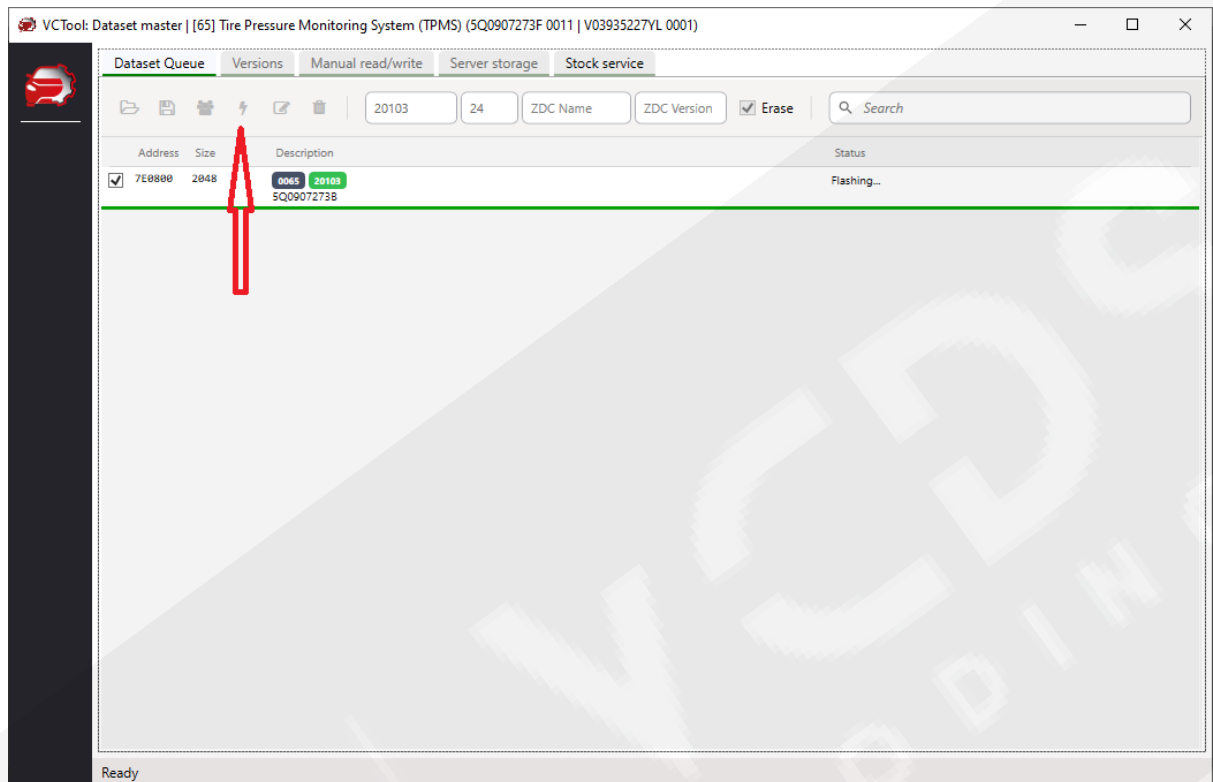




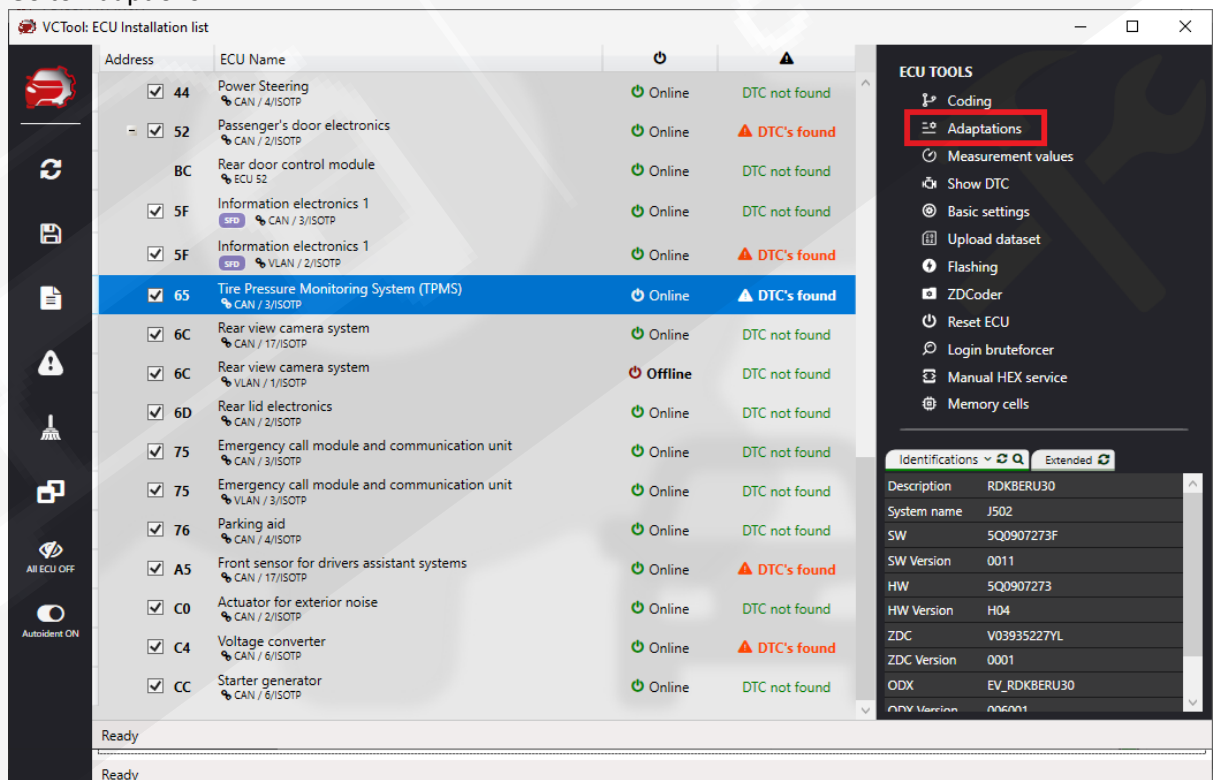
## 50. Open the file you created with RDKS Helper



## 51. Write teh file tot he car:











## 52. Go to Adaptions





53. Here you can select with wich values the TMPS wil start:

VCTool: Adaptations Editor | [65] Tire Pressure Monitoring System (TPMS)



ECU Identification

SW	5Q0907273F 0011	ODX	EV_RDKBERU30 006001
HW	5Q0907273 H04	Description	J502 RDKBERU30
ZDC	V03935227YL 0001		
Serial	30000000029654	Importer	123
		Workshop	12345
		Tester	12345

Session & Security access

Engineering

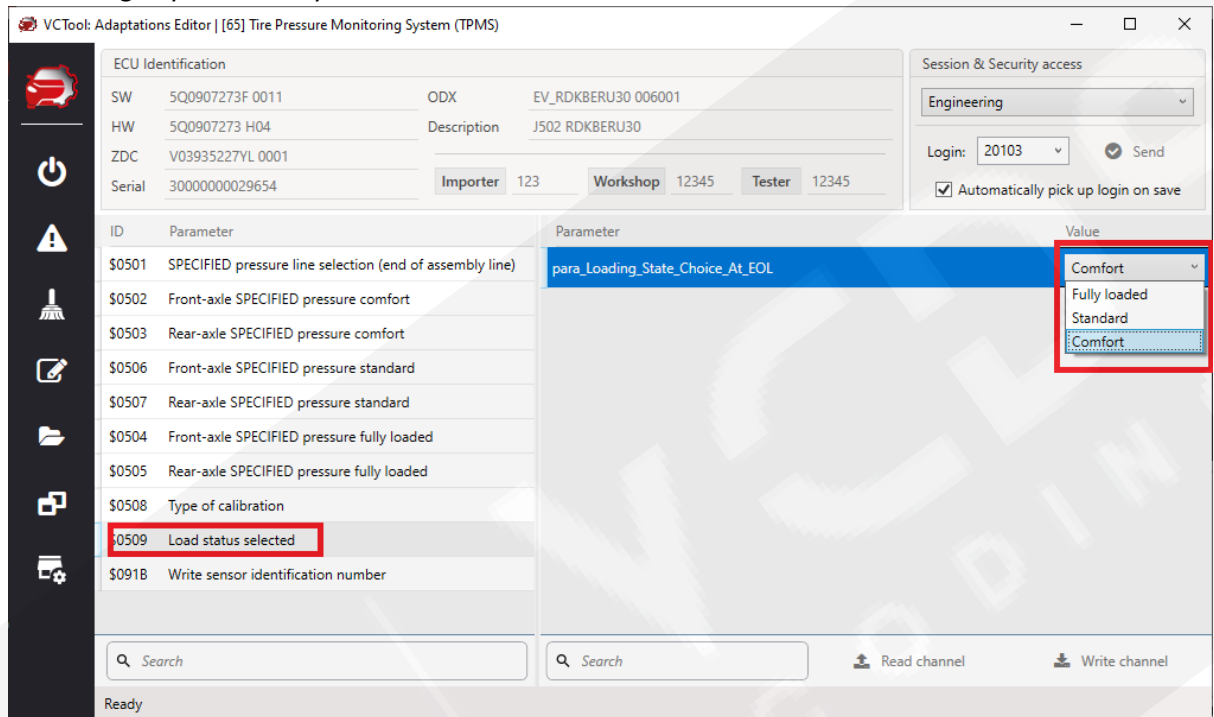
Login: 20103 ☒ Send

☒ Automatically pick up login on save

ID	Parameter	Parameter	Value
\$0501	SPECIFIED pressure line selection (end of assembly line)	para>Loading_State_Choice_At_EOL	Comfort
\$0502	Front-axle SPECIFIED pressure comfort		
\$0503	Rear-axle SPECIFIED pressure comfort		
\$0506	Front-axle SPECIFIED pressure standard		
\$0507	Rear-axle SPECIFIED pressure standard		
\$0504	Front-axle SPECIFIED pressure fully loaded		
\$0505	Rear-axle SPECIFIED pressure fully loaded		
\$0508	Type of calibration		
\$0509	Load status selected		
\$091B	Write sensor identification number		

Ready

54. Now put in all the serial numbers from you tyre pressure sensors and mark them where the belong. Iff you already have them in your wheels I hope you have write down al the ID numbers and the position where they are. Changing wheels to another position will give a wrong measuring in you media system





55. If you did lock the car again and wait 10 minute's. Get back in the car and drive for +/- 2km



**Have fun with it**