

X431 718 CODING CHANGES GUIDE BY KEN G AND CROC 2.0

DISCLAIMER: This is a list of coding changes for the 718 which we have assembled. Most of these were not created by either of us. A special thank you to Arne, Santirx, 718social, z06jerry, Treemagnet, Mani, the various contributors to the 718, Macan and 991 Thinkdiag forums and everyone else who helped create these and provided information contained herein. Many of them have been implemented by one or both of us (as indicated below). We cannot be held responsible if you break your car or brick it, etc. Use this guide at your own risk. In order to minimize the chance of problems, double and triple check each code that you are changing, change only one “hack” at a time and keep good notes of each code that you have changed (or even better take a picture of each code).

Note that “not done or tested” does not mean that the “hack” does not work, it just means that it was not done or tested by me or Croc 2.0.

If you come across any errors or have any additional coding that should be added to this guide, please message us on the 718 Forum.

Summary List of Coding Changes (See More Detailed Instructions Below)

1. Open and Close Convertible Top from Key Fob (done and works)
2. Disable Seat Belt Warnings (done and works)
3. Rear LED Running Lights (done and works)
4. Change Speed that Reverse Camera Turns Off (done and works)
5. Disable Green Low Beam Indicator in Instrument Cluster (done and works)
6. Add Expert Menu (done and works)
7. Open Convertible Top with Press and Release using Switch Inside Car (done and works)
8. Change Vehicle Variant in the Instrument Panel (done and works)
9. Show Oil Level as Four Segments in the Instrument Panel (done and works)
10. Show Accurate Speedometer Speed (done and works)
11. Customize Spoiler Height and Extending/Retracting Speeds (done and works)
12. Gauge Illumination Always On - Gauge background only (no needles) (not done or tested)
13. Gauge Illumination Always On - Gauges w/needles (aka Scandinavian DRLs) (done and works)
14. Open/Close Windows with Key Fob (done and works)
15. Change Turn Signal "One-Touch Flashing Cycle" from 3 to 5 (done and works)
16. Activate Teardrop Function for Wipers (done and works)
17. Unlock Frunk/Trunk without unlocking doors (done and works)
18. Activate 4-point LEDs with Headlights On (done and works)
19. Emergency Brake Display (EBD) Activation (done and works)

20. Lower or Turn Off Soundaktor Sound (done and works)
21. Display Accurate Coolant Temperature Characteristic Curve (done and works)
22. HVAC Startup Memory (done and works)
23. Remember Last State of Auto Stop/Start (ASS) (done and works)
24. Disable Up Shift Arrow (done and works)
25. Performance Display/Torque Display/G Force Menu Activation (done and works)
26. Increase Comfort Entry/Exit Travel Adjustment for Seat (done and works)
27. Increase Boost Pressure Scale for Tune (done and works)
28. Disable Acoustic Feedback on Locking (done and works)
29. Modify Speed that Doors Automatically Lock after Driving (done and works)
30. Enable Track Tires (done but need to validate)
31. Parking Assist Not Triggered until Emergency Brake is Released (not done or tested)
32. Disable Hill Hold Assist (not done or tested)
33. Change Time for Relocking (done and works)
34. Enable Gear Shift Assist Menu (done and works)
35. Enable Auto Memory (done and works)
36. Adjust Headlight Washer Cycles (not done or tested)
37. Add Rear Axle Steering Menu to MFD (not done or tested)
38. Change Power Steering Profile (not done or tested)
39. Puddle Lights On When Mirrors are Retracted (not done or tested)
40. Mirror Dip When Reversing (not done or tested)
41. Change Illumination of Sports Chrono Clock (not done or tested)
42. Adjust Heating Steering Wheel Temperature (not done or tested)
43. Activate Rain Sensor on Wipers (not done or tested)
44. Change Speeds at Which High Beam Assist is Activated and Deactivated (not done or tested)
45. Low Beam Headlights Turn On When Entering and Exiting Car (done and tested)
46. Enable PDLs+ Intersection Assistant (not done or tested)
47. Enable Power Steering Plus (done and works)
48. Activate PSM Sport (done and works)
49. Set Last Mode for the Spoiler (done and works)
50. Change DME Fuel Market (not done or tested)

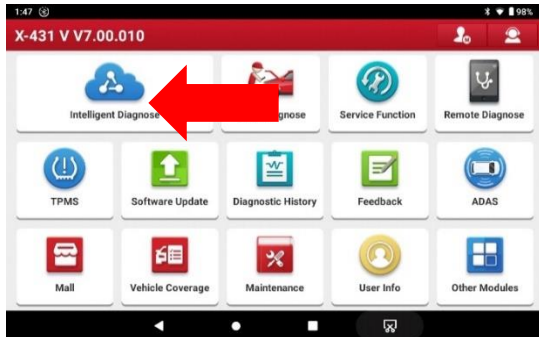
51. Add Software Portion of Porsche Torque Vectoring (done but not validated)
 52. Enable Daytime Running Light Menu in MFD (done and works)
 53. Change Brake Booster Settings (done and works)
 54. Doors Automatically Relock After Opening Frunk/Trunk When Doors Are Locked (done and works)
 55. Change Volume of Park Assist and Warning Tones (done and works)
 56. Add Additional Options for Diamond/Joker Button (done and works)
 57. Disable Warning that Door or Frunk is Open When Stationary (done and works)
 58. Add Rain Sensor Menu (done and works)
 59. Disable Parking Brake Engagement When Door is Opened (done and works)
 60. Permanently Disable Auto Stop/Start (ASS) (done and works)
 61. Auto Stop/Start (ASS) Defaults to Off (done and works)
 62. Enable Warning Message that Multiple Keys Are In Car (done and works)
 63. Add Sport Chrono MFD Normal and Sport Display Indicator (done and works)
 64. Add Left Hand/Right Hand Driving Menu (done but need to validate)
 65. Enable NAV display in MFD (not done or tested)
 66. Disable Entry Portion of Entry & Drive (not done or tested)
 67. Add Sailing Display to MFD (done and works)
- See Note Regarding Coding PCM with X431**
68. Porsche Track Precision App connected with WLAN enabled in PCM (not done or tested)
 69. Add Auto GPS Time to MFD (not done or tested)
 70. Clear SVM Error After Using MIB (not done or tested)
 71. Adjust PCM Sound and Amplifier Frequencies and Volume (done and works)
 72. Deactivate Production Mode for Coding PCM (not done or tested)
 73. Add Sport Chrono Activation Code (not done or tested)
 74. Add Steering Wheel Activation Codes (not done or tested)
 75. Change/Retrofit Options and Vehicle Information (not done or tested)
 76. Generate DME/Over Rev Report
 77. Websites to Check Out and Follow
 78. Possible Future Features – Please take a look at these items and provide any thoughts or information you have to help me get these working.

Instructions on Make Coding Changes using a Launch X431 V Pro 4.0 Elite

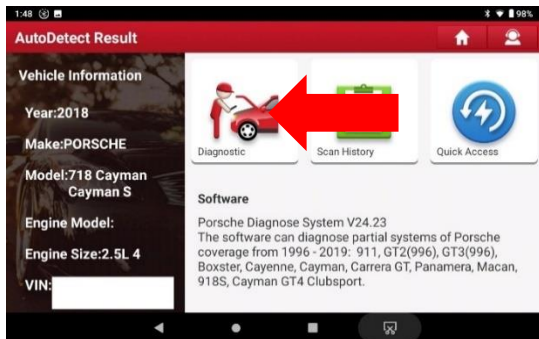
Plugin X431 into OBD 2 Port, Turn Key to Accessory Mode - check out this link for video on OBD 2 port location - [Porsche 718 Cayman / Boxster ODB2 port location \(youtube.com\)](#)

It is also recommended that you turn off all non-essential items that draw additional current - close door (turns off interior lights), turn off HVAC fan, turn headlights off and turn off the PCM screen. I have also set my MFD to display the battery voltage so I can keep an eye on it.

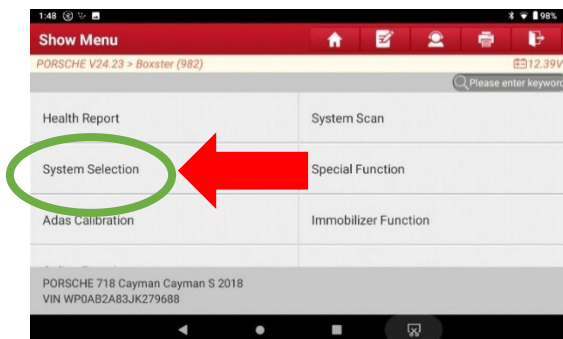
Then select Intelligent Diagnose



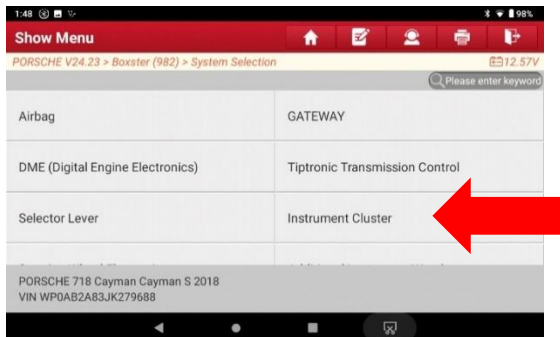
Then select Diagnostic



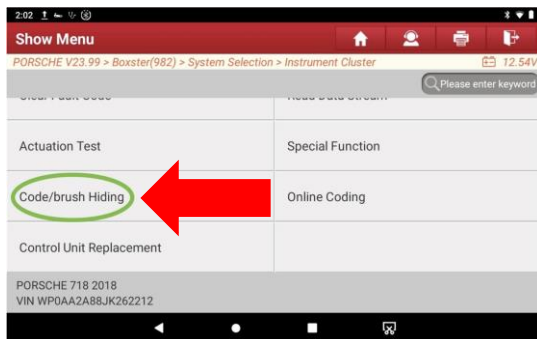
Then select System Selection



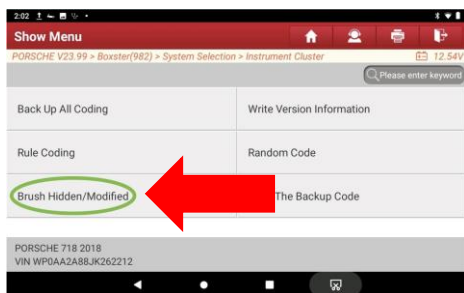
Then select the appropriate System for the Code you want to adjust (Note: This is the system listed in the coding instructions below such as Front-end Electronics, Rear-End Electronics, Instrument Cluster or Air Conditioning)



Then select Code/Brush Hiding



Then select Brush Hidden/Modified [This choice allows you to search. You can also choose Rule Coding, which lists all codes and the values but does not allow searching]



Then find the Code you want to adjust (These are the Codes in the instructions below)

Then Make the Change

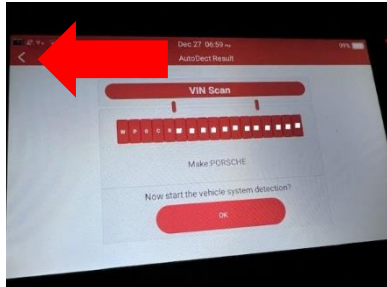
Then Hit the Write Code Button

Instructions on Make Coding Changes using a Launch CRP919X

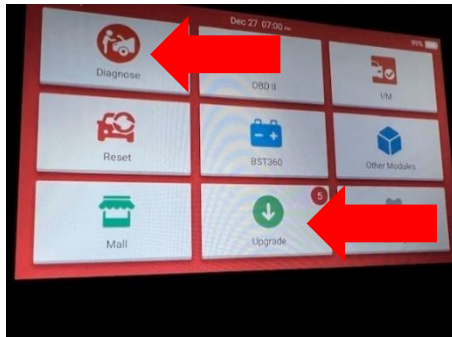
Plugin X431 into OBD 2 Port, Turn Key to Accessory Mode and Wait until VIN is Determined – check out this link for video on OBD 2 port location - [Porsche 718 Cayman / Boxster ODB2 port location \(youtube.com\)](#)

It is also recommended that you turn off all non-essential items that draw additional current - close door (turns off interior lights), turn off HVAC fan, turn headlights off and turn off the PCM screen. I have also set my MFD to display the battery voltage so I can keep an eye on it.

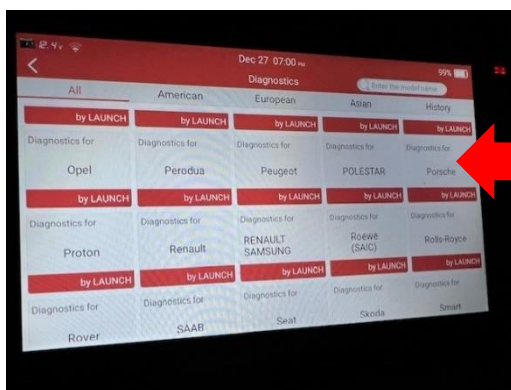
Then Hit the Back Arrow in the Upper Left



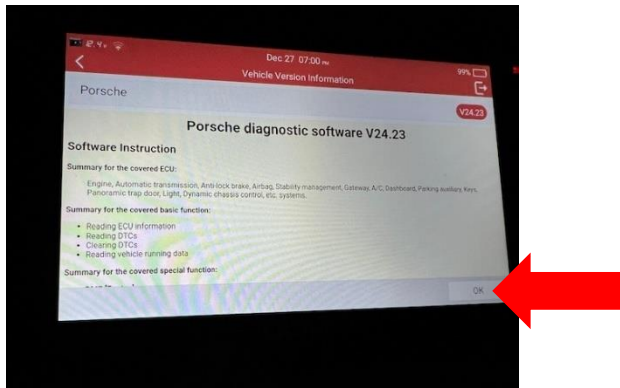
Once you Get to the Screen Shown Below Then select Diagnose (Although you may want to update the unit if updates are available)



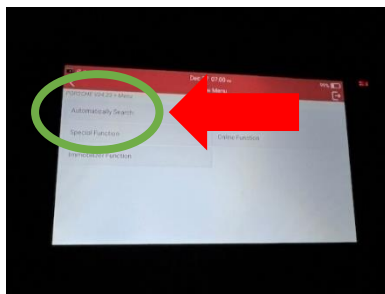
Then Scroll Down and select Porsche



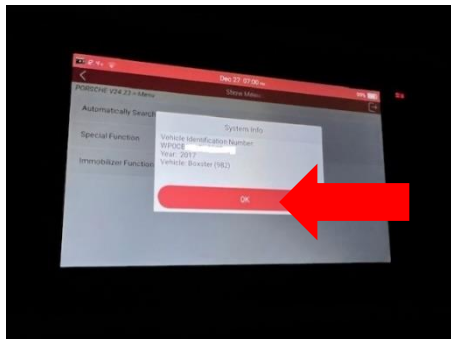
Then Select OK



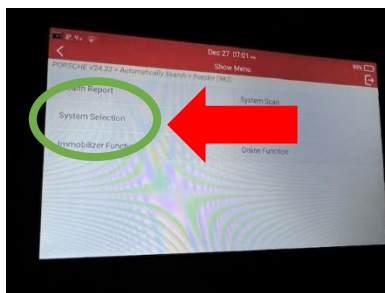
Then Select Automatically Search



The Unit should determine the type of 718 you have and then You Should Select OK



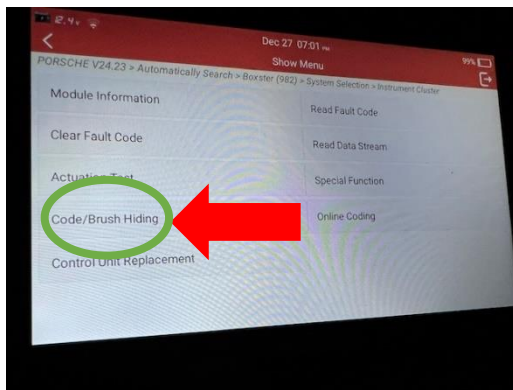
Then Select System Selection



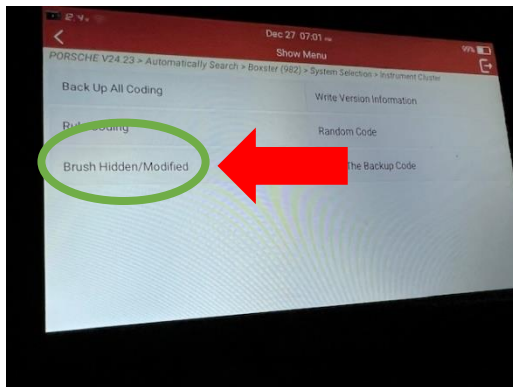
Then Select the appropriate System for the Code you want to adjust (Note: This is the system listed in the coding instructions below such as Front-end Electronics, Rear-End Electronics, Instrument Cluster or Air Conditioning)



Then select Code/Brush Hiding



Then select Brush Hidden/Modified [This choice allows you to search. You can also choose Rule Coding, which lists all codes and the values but does not allow searching]



Then find the Code you want to adjust (These are the Codes in the instructions below)

Then Make the Change

Then Hit the Write Code Button

Daver Video with Instructions on Make Coding Changes using a Launch CRP919E

[Launch x431 CRP919E on Porsche 718 Cayman \(youtube.com\)](https://www.youtube.com/watch?v=x431CRP919E)

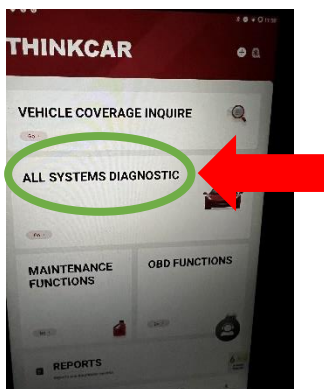
Instructions on Make Coding Changes using a Thinkcar Thinkdiag

The first time you will need to install the Thinkdiag software on your android phone or tablet and follow the instructions in the manual to activate the OBD 2 Plug and pair it to your android phone or tablet via Bluetooth. Coding is only possible with the android app, not the IOS app. If you are using an android tablet, it is not possible to download the app from the play store. However, the app can be manually installed on a tablet. I am using an android tablet and have not had any problems. Link to Thinkdiag App: [ThinkDiag+ APK \(Android App\) - Free Download \(apkcombo.com\)](#) (current version 3.1.4 at the time of release of this guide).

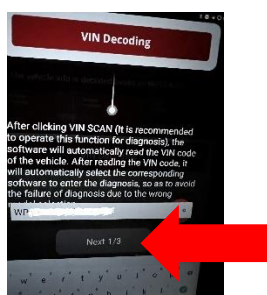
Plugin Thinkdiag Plug into OBD 2 Port (watch for green light on the plug so you know it is plugged in) and Turn Key to Accessory Mode – check out this link for video on OBD 2 port location - [Porsche 718 Cayman / Boxster ODB2 port location \(youtube.com\)](#)

It is also recommended that you turn off all non-essential items that draw additional current - close door (turns off interior lights), turn off HVAC fan, turn headlights off and turn off the PCM screen. I have also set my MFD to display the battery voltage so I can keep an eye on it.

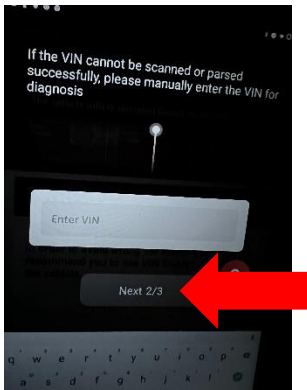
Then Hit All Systems Diagnostic



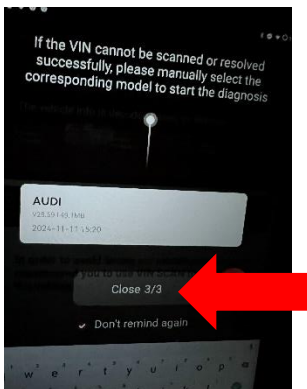
Then Hit the Box for Next



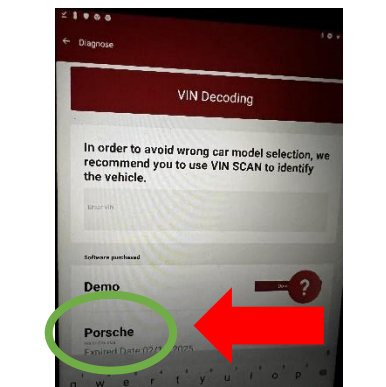
Then Hit the Box for Next



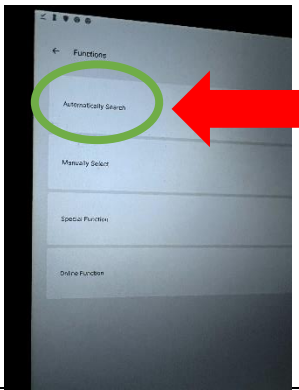
Then Check the Box for “don’t remind again” (so this screen and the prior two screens do not show up in the future) and Hit Close



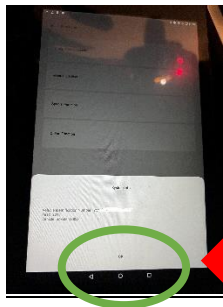
Then Scroll Down to the Box for Porsche and Select It (the first time the program will download the software) (after selecting Porsche the light on the unit will shortly thereafter change from green to blue)



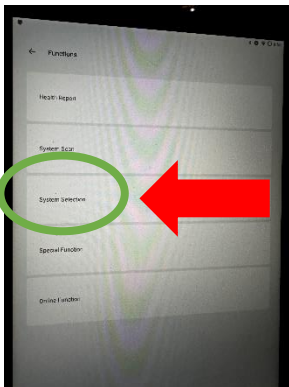
Then Select Automatically Search



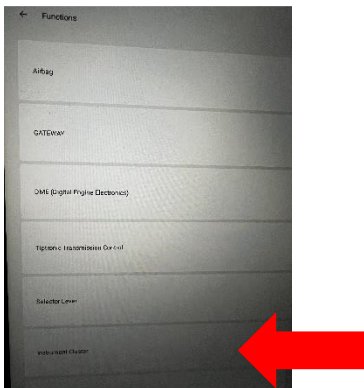
The Unit should determine the type of 718 you have and then You Should Select OK



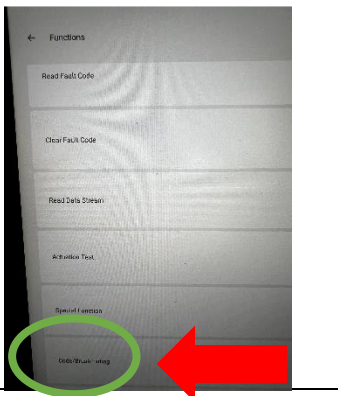
Then Select System Selection



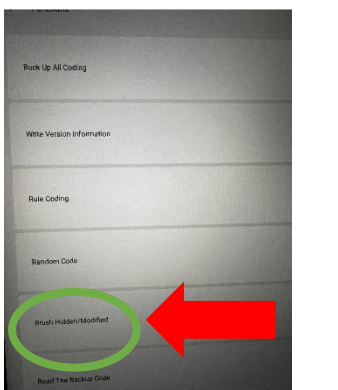
Then Select the appropriate System for the Code you want to adjust (Note: This is the system listed in the coding instructions below such as Front-end Electronics, Rear-End Electronics, Instrument Cluster or Air Conditioning)



Then select Code/Brush Hiding



Then select Brush Hidden/Modified [This choice allows you to search. You can also choose Rule Coding, which lists all codes and the values but does not allow searching]



Then find the Code you want to adjust (These are the Codes in the instructions below)

Then Make the Change

Then Hit the Write Code Button

List of Coding Changes (More Detailed Instructions)

1. Open and Close Convertible Top from Key Fob (done and works)

This coding allows you to open and close the convertible top from your key fob and if you have entry & drive, to close your convertible top with the door handle. Note that the door handle can only be used to put the top up. This is consistent with the owner's manual I have which only references the door handle closing the top.

This coding also sets the windows to close after opening the top with the key fob. I corresponded with some 718 owners in the UK and Australia (who have this feature without coding) who confirmed that when they open their top with the key fob the windows close at the end of the cycle. I would like the windows to open after opening the top with either the switch in the car, the key fob or one touch. **If anyone knows how to get the windows to operate in this manner, please let me know. See item a under Possible Future Features Below.**

One other item I noticed testing it is that neither the key fob nor the door handle worked with the car on. Probably not an issue in real life. However, I had the car on while testing and it took me a little bit to figure out why it was not working.

Note: If your windows stay at 3/4th open rather than closing after opening the top with your key fob, try cycling the top up and down with the switch in the car and then try your key fob again. Make sure the window position is working correctly (ie. windows are closing completely and not staying 3/4th open) before coding opening the convertible top with touch and release of (Item 7).

Additional Note: If you also code your windows to work with your key fob (item 14), your key fob will open and close your windows and will not open or close your convertible top.

Front-end Electronics: Coding value- Comfort functions - Convertible top comfort opening = Yes {Default: No}

Front-end Electronics: Coding value- Comfort functions - Convertible top comfort closing = Yes {Default: Yes}

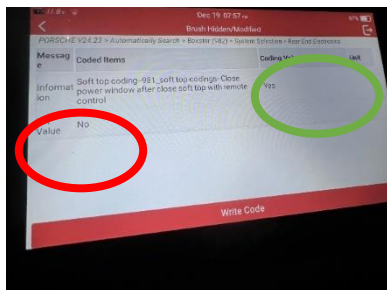
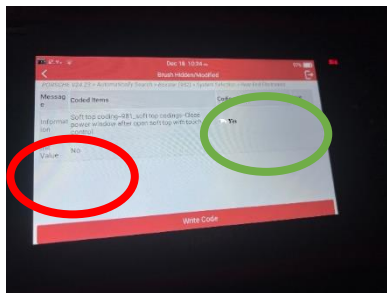
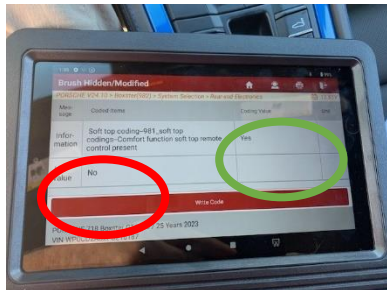
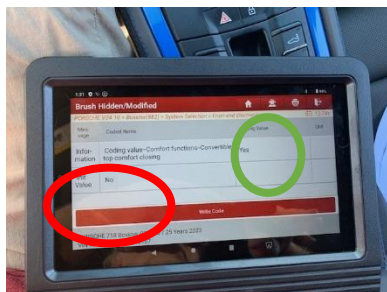
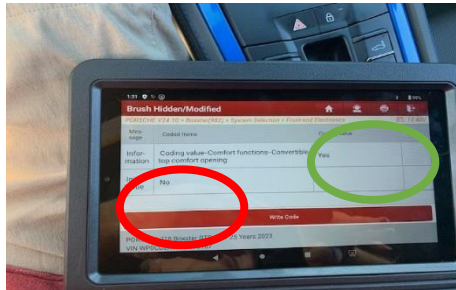
Rear-End Electronics: Coding value - Equipment-Equipment for convertible top control available = Yes {Default: Yes} [I did not need to change this]

Rear-End Electronics: Coding value- Equipment-Equipment for automatic convertible-top latch = Yes {Default: Yes} [I did not need to change this]

Rear-End Electronics: Soft top coding- 981_soft top codings- Comfort function soft top remote control present = Yes {Default: No}

Rear-End Electronics: Soft top coding- 981_soft top codings- Comfort function Close power window after open soft top with remote control = Yes {Default: No} [If you don't change this your windows will stay at the 3/4th up position]

Rear-End Electronics: Soft top coding- 981_soft top codings- Comfort function Close power window after close soft top with remote control = Yes {Default: No}



2. Disable Seat Belt Warnings (done and works)

This allows you to disable the seat belt warnings and chimes. There are either 1 or 4 codes to change, depending on your preferences.

Change all four codes to completely disable all of the belt warnings and chimes. If you only change the last code, your car will chime three times and you will still receive the belt warnings in the MFD but your car won't continue to chime after the initial three chimes. Interestingly, I changed just the code for the driver seatbelt warning to see if I could just turn off the driver belt warning but this worked the same as the coding for all four codes (i.e., it disabled all of the belt warnings and chimes).

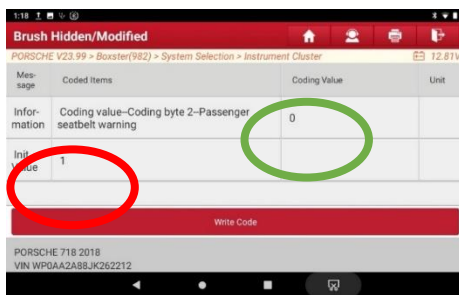
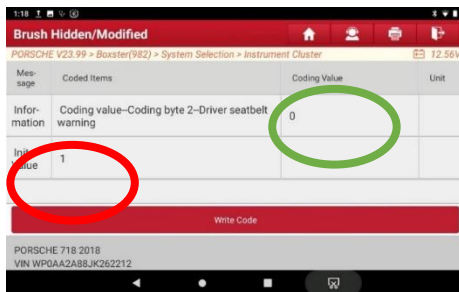
Instrument Cluster: Coding value -Coding byte 2- Driver seatbelt warning = 0
{Default: 1}

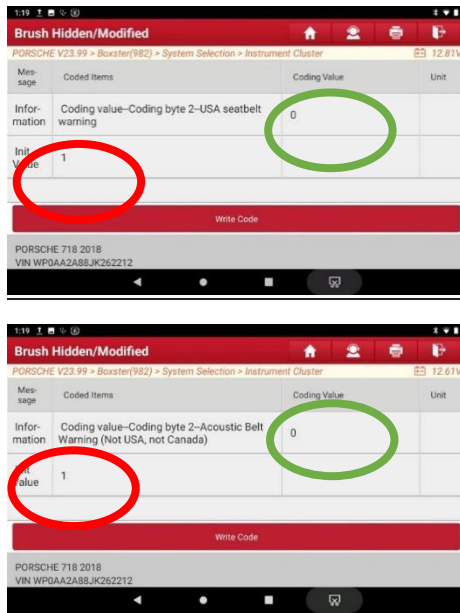
Instrument Cluster: Coding value -Coding byte 2- Passenger seatbelt warning = 0
{Default: 1}

Instrument Cluster: Coding value -Coding byte 2- USA seatbelt warning = 0
{Default: 1}

Instrument Cluster: Coding value -Coding byte 2- Acoustic belt warning (Not USA, not Canada) = 0 {Default: 1}

Note: An alternative to changing the last code to 0 to disable the belt warning is to use the coding in item 55 to set Warning tones – channel matching quiet to 0 and the warning tone level in the MFD to low. If you ever wanted to temporarily turn on the seat belt warning tone, you could use the MFD to choose a level other than low.





3. Rear LED Running Lights (done and works)

I saw this on the second Rennlist forum (see websites to check out below). This coding turns on the rear tail lights even when the lights are off. If you code item 13, this coding is not needed because that coding also turns on the tail lights.

Front-end Electronics: Coding Value - Exterior Lighting - DDL with Position and Tail Light = Yes {Default: No}

4. Change Speed that Reverse Camera Turns Off (done and works)

This coding changes the speed at which the reverse camera turns off. The default is 16 kph (or 10 mph). I changed my car to 5 kph (or 3.1 mph). Treemagnet indicated that if you try to set the codes at less than 5, the reverse camera does not turn off.

Park Assist: ECU coding data-OPS switch-off speed threshold = 5 {Default: 16} [The other two codes won't be accepted until this one is changed]

Park Assist: Speed thresholds-System switch-off speed = 5 {Default: 16} [Changing the first code may automatically change this code]

Park Assist: Speed thresholds-System switch-off speed display readiness = 5 {Default: 16} [Changing the first code may automatically change this code]

5. Disable Green Low Beam Indicator in Instrument Cluster (done and works)

This coding disables the green low-beam indicator light in the instrument cluster.

Instrument Cluster: Warning Lamps > Warning Lamps- Indicator Lamps Coding-Low-beam= Shutdown {Default: Open}

6. Add Expert Menu (done and works)

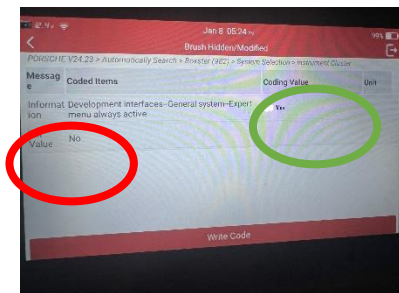
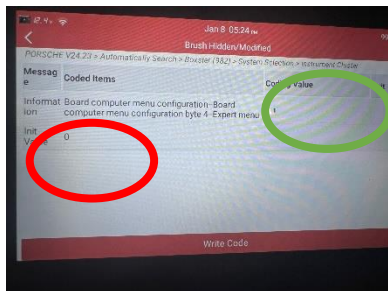
If you want to add the expert menu, change the following codes and then go to settings in the MFD, find the expert menu and check the boxes (they are in German and results are metric) that you want to display (below are pictures of the expert menu gauges (as translated by google translate – with a few manually translated by me) and then click on active values. Also, check out this video that explains the expert menu and how to use it- [Porsche 981 Boxster Cayman 991 Carrera Cluster Coding Expert Menu \(youtube.com\)](https://www.youtube.com/watch?v=...)).

Instrument Cluster: Board menu configuration-Board computer menu configuration byte 4- Expert menu = 1 {Default: 0}

Instrument Cluster: Development interfaces-General system- Expert menu always active = Yes {Default: No}

Note: If the expert menu is active when you shut the car off, the following additional coding allows the expert menu to continue to display after the car is shut off for approximately four minutes.

Instrument Cluster: Development interfaces-General system- Expert menu active when terminal 15 off = Yes {Default: No}





7. Open Convertible Top with Press and Release using Switch Inside Car (done and works)

I figured out how to open the top by pressing and releasing the switch in the car (no need to hold the whole time). Porsche calls this “Inching Mode”. This does not work to put the top up (still need to press and hold).

According to the owner's manual, if the car is moving more than approx 10 kph (6 mph) and less than approx 50 kph (30 mph), the top opens automatically (you do not have to hold the switch). This did not work without coding for me.

As a result of these changes, you can just press and release the switch in the car to put the top down even while the car is not moving. Alternatively, you can leave the code for General Parameters for Lower Top for Inching Mode at 10 (or any number less than 10 and greater than 0), in which case the top will go down normally unless the car is moving faster than the inching mode parameter (in kph). If the car is moving faster than the inching mode parameter (in kph), you can press and release the switch in the car to put the top down.

As I mentioned above, this does not work to put the top up (still need to press and hold). However, this seems consistent with the owner’s manual since it does not say anything about one touch operation to put the top up while traveling at more than 10 kph. I corresponded with a 718 owner in the UK (who has this feature without coding) who indicated that this only works to put the top down (not up).

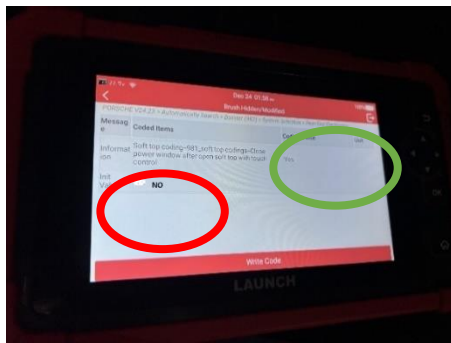
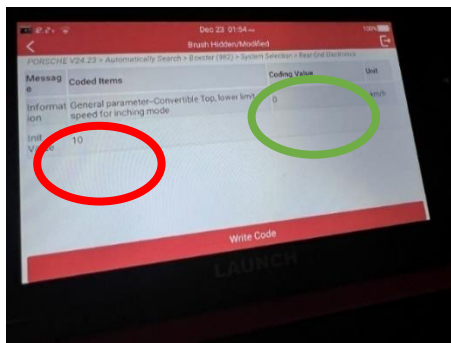
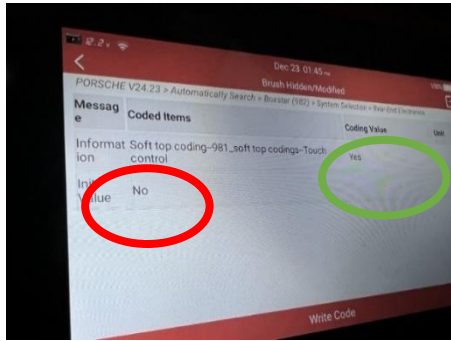
Note: If you are coding your car to allow the windows to open and close with your key fob (item 1), make sure the window position is working correctly (i.e. windows are closing completely and not staying 3/4th open) before coding for touch and release of opening the convertible top (this item 7).

Additional Note: It is odd that there is a code for close windows after closing top with touch control when there is no way to use press and release to close the top. I thought maybe this code was used to control the windows when using entry & drive (door handle) to close the top but it has no effect on window position.

**Rear-End Electronics: Soft top coding – 981 soft top codings - Touch Control = Yes
{Default: No}**

Rear-End Electronics: General Parameters Convertible Top, Lower Limit Speed for inching mode = 0 {Default: 10}

Rear-End Electronics: Soft top coding – 981 soft top codings – Close power window after open soft top with touch control = Yes {Default: No} [If you don't change this your windows will stay at the 3/4th up position]



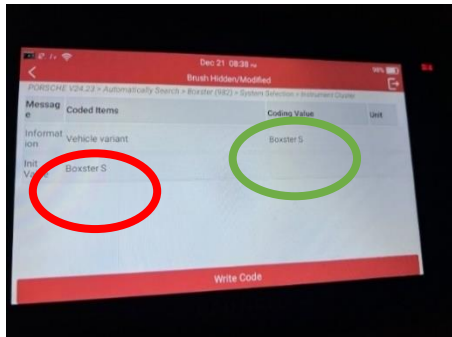
8. Change Vehicle Variant in the Instrument Panel (done and works)

This coding changes vehicle variant in the Instrument Panel.

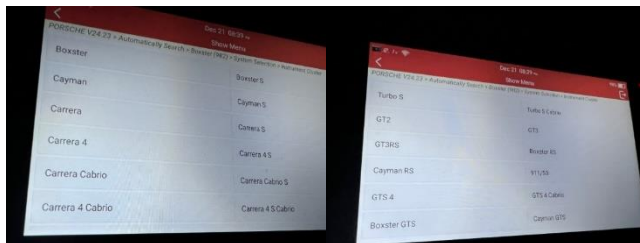
Instrument Cluster: Vehicle Variant = [choose one from below] {Default: Mine was Boxster S}

Note: This coding may change more than just the variant displayed in the MFD. Payman and dk:majm both noticed that changing the variant from Cayman to Turbo resulted in the fuel tank gauge no longer being displayed in the MFD (just the remaining range displayed). I did not

experience this when I changed the variant from Boxster S to GT4. However, the racetrack menu would not appear if this code was not changed. See item m under Possible Future Features below. What other changes this coding creates needs to be examined further.



Below are some of the choices



Here is the instrument cluster after making this modification to the Vehicle Variant

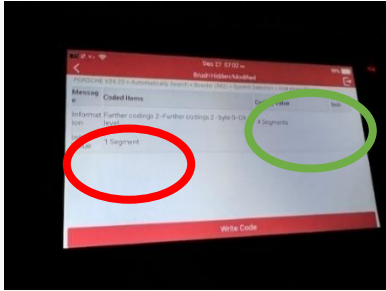


9. Show Oil Level as Four Segments in the Instrument Panel (done and works)

By default, the oil level is shown in one segment. This coding allows you to show four segments to give you a better idea of the oil level.

Note: The Instrument Cluster will now state Oil Level OK rather than Oil Level is correct.

Instrument Cluster: Further codings – Further codings 2 – byte 0 – Oil Level = 4 Segments {Default: 1 Segment}



This is what the oil measurement indicator looked like before the coding change:



This is what the measurement indicator looks like after the coding change:



10. Show Accurate Speedometer Speed (done and works)

The default codes indicate that from 0 to 250 kph, the car is displaying 100% of the true value, from 250 kph to 400 kph, the car is displaying 100% of the true value, and at 400 kph and beyond, the car is displaying 100% of the true value. That being said, I question whether there isn't some sort of correction. In discussing this coding with Valvefloat991 and Frankfurt1470 on the Thinkdiag 991 forum, both of them reduced the y codes on their 991.2s to 98 so that the speedometer speed matches the speed in Waze. In order to get Waze to match the speedometer on my 718 I changed the y1 code to 96.80. I did not change the y2 or y3 codes since I rarely drive over 250 kph (155 mph). Note that it appears that the cruise control is not adjusted because the cruise control speed sometimes shows 1 mph slower than the displayed cruise control speed. For example, if I set the cruise control to 51 mph the car sometimes only travels 50 mph.

Instrument Cluster: Speed correction characteristic – Input speed X1 = 0 {Default: 0}

Instrument Cluster: Speed correction characteristic – Input speed X2 = 250 {Default: 250}

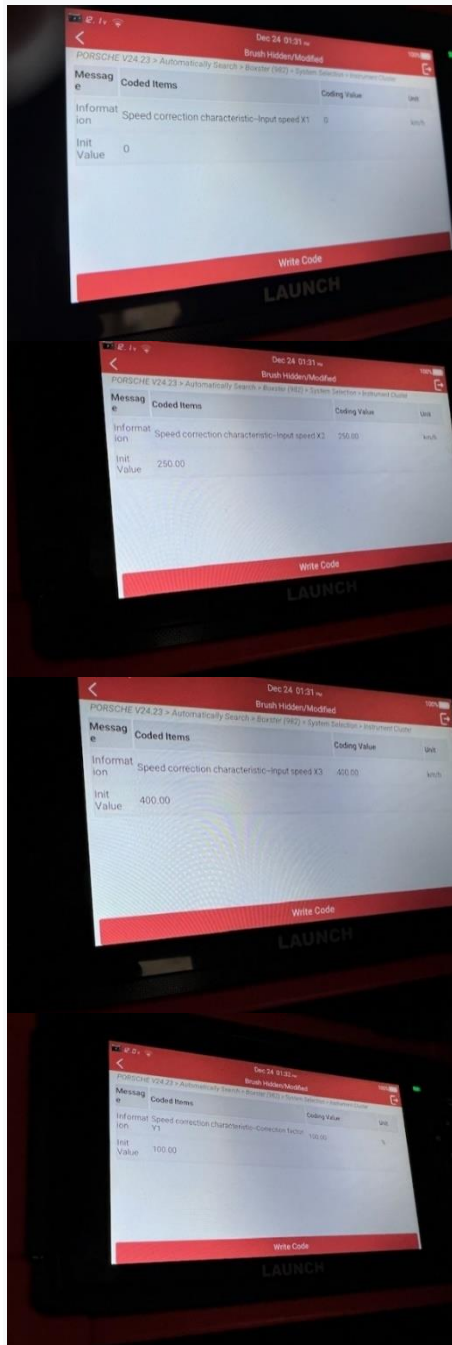
Instrument Cluster: Speed correction characteristic – Input speed X3 = 400 {Default: 400}

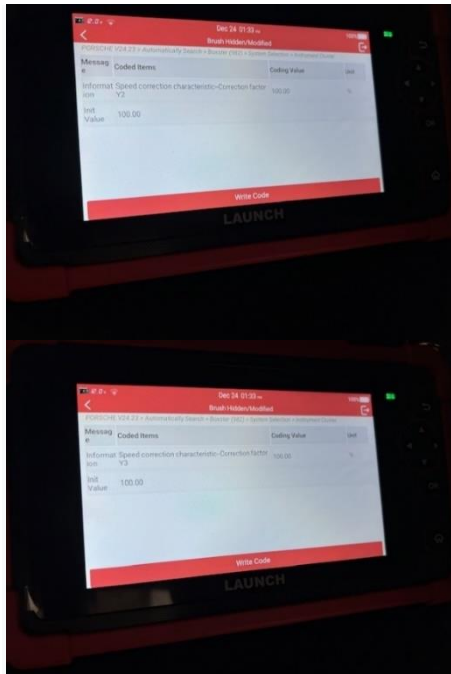
Instrument Cluster: Speed correction characteristic – Correction factor Y1 = 96.80 {Default: 100}

Instrument Cluster: Speed correction characteristic – Correction factor Y2 = 100 {Default: 100}

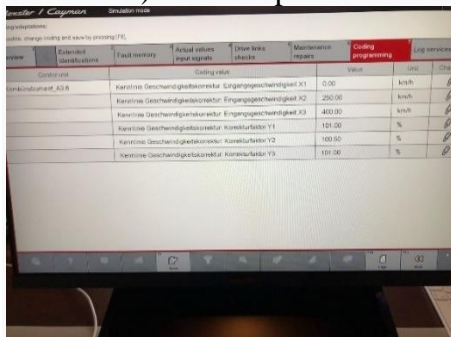
Instrument Cluster: Speed correction characteristic – Correction factor Y3 = 100 {Default: 100}

Note: If the three Y values are not 100%, your speedometer displays that percentage of the actual speed.





Here is an example from a car in Canada where the Y values exceed 100% (from a PIWIS so it is in German) that was posted on Rennlist



11. Customize Spoiler Height and Extending/Retracting Speeds (done and works)

The settings for the spoiler can be customized to add up to three different spoiler positions at three different speeds in normal and sport modes and a single different spoiler speed for sport plus mode. Thank you to Cratervanawesome for pointing out the Rennlist post for the 981 that much of this is based on. Without coding, the spoiler on my car raises to 112 “steps” at 120 kph and completely lowers at 80 kph in normal, sport mode and sport plus mode (if my car had sport plus). Optional: If you would also like to change the pitch of your spoiler by modifying the push rod mechanism, Sanher747 offers a kit to do that. Check out this post for more information on the pitch modification: [For Sale - REAR WING ADJUSTMENT DEVICE | Porsche 718 Forum.](#)

The coding below does the following:

In Normal and Sport Modes:

The spoiler raises to the first extension position of 300 "steps" at 120 kph and lowers at 80 kph.

The spoiler raises to the second extension position of 350 "steps" at 160 kph and lowers back to the first extension position setting at 140 kph.

The spoiler raises to the third extension position of 360 "steps" at 190 kph and lowers back to the second extension position setting at 170 kph.

You can modify these numbers to change how high or at what speeds the spoiler raises and lowers for the three height adjustments.

In Sport Plus mode:

Spoiler immediately raises to third extension position of 360 "steps" at 100 kph and completely lowers at 50 kph.

However, the above coding is just an example to illustrate how the codes affect the operation of the spoiler.

Any or all three height adjustments may also be coded out by setting the activation speeds to unrealistic values (639 kph and 654 kph) to effectively deactivate the spoiler at all speeds.

Coding out all three height adjustments may be useful to those with aftermarket spoilers without having to pull fuses.

Rear-End Electronics: Spoiler parameter – Extending 1 speed threshold = 80 {Default: 80} [This code is the speed that the spoiler lowers from the first extension position to the default position]

Rear-End Electronics: Spoiler parameter – Extending 2 speed threshold = 140 {Default: 639} [This code is the speed that the spoiler lowers from the second extension position to the first extension position]

Rear-End Electronics: Spoiler parameter – Extending 3 speed threshold = 170 {Default: 639} [This code is the speed that the spoiler lowers from the third extension position to the second extension position]

Rear-End Electronics: Spoiler parameter – GeschschwEinf1 = 120 {Default: 120} [This code is the speed that the spoiler raises to the first extension position]

Rear-End Electronics: Spoiler parameter – GeschschwEinf2 = 160 {Default: 654} [This code is the speed that the spoiler raises to the second extension position]

Rear-End Electronics: Spoiler parameter – GeschschwEinf3 = 190 {Default: 654} [This code is the speed that the spoiler raises to the third extension position]

Rear-End Electronics: Spoiler parameter – SollPosDrehHallSp1 = 0 {Default: 0} [This code is the height of the spoiler for the default position. If you want to give your car a sportier look when it isn't moving you can set this code to greater than 0]

Rear-End Electronics: Spoiler parameter – SollPosDrehHallSp2 = 300 (or any number less than 390) {Default: 112} [This code is the height of the spoiler for the first extension position]

Rear-End Electronics: Spoiler parameter – SollPosDrehHallSp3 = 350 (or any number less than 390) {Default: 150} [This code is the height of the spoiler for the second extension position]

Rear-End Electronics: Spoiler parameter – SollPosDrehHallSp4 = 360 (or any number less than 390) {Default: 150} [This code is the height of the spoiler for the third extension position and for Sport Plus]

Rear-End Electronics: Spoiler coding – Spoiler control, SportPlus = Yes {Default: No} [Keep this code at no if you don't have Sport Plus or if want the Sport Plus operation of the spoiler to be the same as while in Normal and Sport Mode/Change to yes if you want Sport Plus operation of the spoiler to be based on the next two codes]

Rear-End Electronics: Spoiler coding – Sport Plus (combi) spoiler info active = Yes {Default: No} [This code should be set the same as the code right above depending on your preference for that code]

Rear-End Electronics: Spoiler parameter – SportPlus Extended = 100 {Default: 120} [This code is the speed that the spoiler raises to the third extension position if in Sport Plus if the two codes above are changed to yes]

Rear-End Electronics: Spoiler parameter – SportPlus Retracted = 50 {Default: 60} [This code is the speed that the spoiler lowers to the default position if in Sport Plus if the two codes above are changed to yes]

Note: If you get an error changing these codes, it is most likely because you are not changing them in the correct order. For example, I received an error when I tried to increase SollPosDrehHallSp2 higher than SollPosDrehHallSp3 and SollPosDrehHallSp4. I also received similar errors trying to change the extending codes.

Additional Note: The maximum figure of 390 for the SollPosDrehHallSp codes was the highest number that Sanher747 could raise the spoiler to on his Cayman without blocking the third brake light. With Sanher747's pitch modification, the maximum figure is 430.

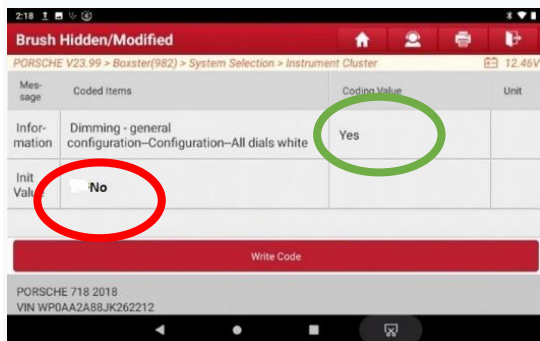
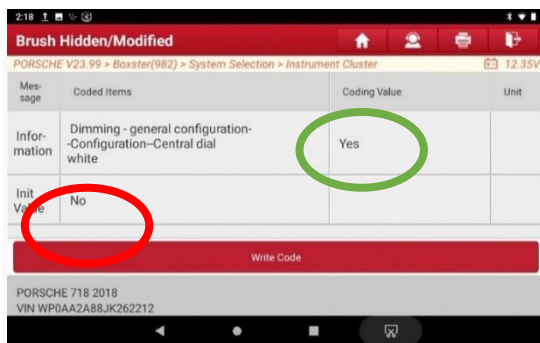
Further Additional Note: It appears that coding the spoiler on a piwis and x431 are different. On the x431, the einf codes are the speeds at which the spoiler deploys and the extending codes are the speeds at which the spoiler retracts. On a piwis, the einf codes are the speeds at which the spoiler retracts and the ausf codes are the speeds at which the spoiler deploys. The ausf codes are higher than einf codes.

12. Gauge Illumination Always On - Gauge background only (no needles) (not done or tested)

You can enable backlighting on the tach and speedo with headlights off. This makes all the numbers readable in daylight but does not illuminate the gauge needles. You can turn on the central tach dial only, or both speedometer and tach. One drawback of this is that the gauge needles don't light up unless the lights are actually on.

Instrument Cluster: Dimming-general configuration > Configuration-central dial white = Yes
{Default: No}

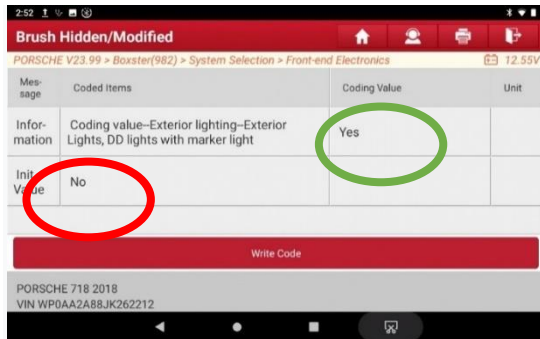
Instrument Cluster: Dimming-general configuration > Configuration-all dials white = Yes
{Default: No}



13. Gauge Illumination Always On - Gauges w/needles (aka Scandinavian DRLs) (done and works)

An alternative method of lighting the gauges also lights the needles as well. That is done by adding the "marker lights" to the DRL settings. This is known as "Scandinavian DRLs" to Audi and VW owners. The "marker lights" are the taillights, license lights, front side markers (in the US and Canada) and the gauges including the needles. By default, the front parking lights are NOT activated by this change. (There is a separate option to turn these on with DRLs). But the gauges (incl. needles) do turn on with the key, in any light. The drawback to this one is that while some people can tolerate running the taillights at all times, having the front side markers always lit bothers them. See the extra coding to turn off the front side markers (Side Marker Defeat below).

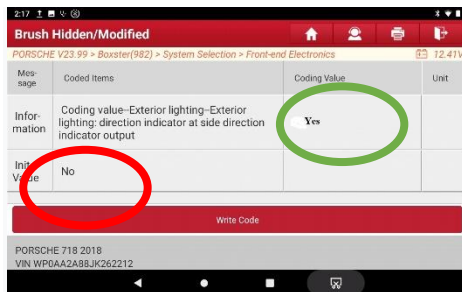
Front-end Electronics: Coding value- Exterior lighting -Exterior lights, DD lights with marker light = Yes {Default: No}



Side Marker Defeat

If you don't like the side marker lights, you can turn off the side marker function with the code below. But do note, this cryptically named setting defeats all side marker (position) light functions. They only flash with blinkers or hazards if this coding is done.

Front-end Electronics: Coding value- Exterior lighting- Exterior lighting: direction indicator at side direction indicator output = Yes {Default for North America: No}



Note: Other than the US and Canada, the front "marker" lights are used only for side indicators.

14. Open/Close Windows with Key Fob (done and works)

This allows you to use your key fob to open and close your windows. I am told but have not confirmed that if you have entry & drive, this also allows you to open and close your windows with the door handle.

Note: If you also code your convertible top to open and close with your key fob (item 1), your key fob will open and close your windows but will not open or close your convertible top.

Front-end Electronics: Coding: Coding_0: Coding-Comfort functions -Window Comfort Opening = Yes {Default: No}

Front-end Electronics: Coding: Coding_0: Coding-Comfort functions -Window Comfort Closing = Yes {Default: No}

15. Change Turn Signal "One-Touch Flashing Cycle" from 3 to 5 (done and works)

This changes the number of times the turn signal flashes when you tap on the turn signal.

Front-end Electronics: Coding: Coding_0: Exterior Lights Parameters-One touch flashing cycles = 5 (or whatever number of flashing cycles up to 10 that you prefer) {Default: 3}

16. Activate Teardrop Function for Wipers (done and works)

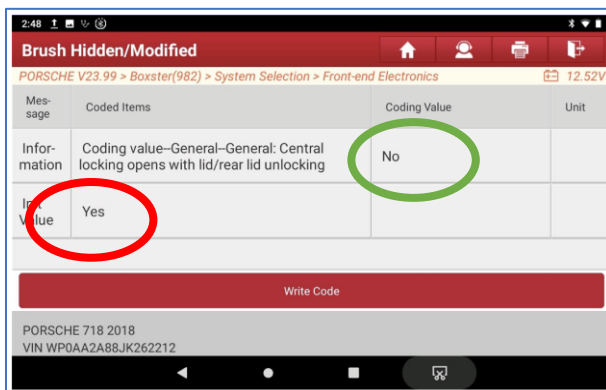
This function activates an additional pass of the wiper a few seconds after the washer is activated and normal wiper mode is finished.

Front-end Electronics: WWS Coding: WWS Coding-Teardrop function active = Yes {Default: No}

17. Unlock Frunk/Trunk without unlocking doors (done and works)

By default, if you open the frunk or the trunk via the key fob or entry & drive, the doors are unlocked as well. This is a pain if you need something from the trunk because the doors are now unlocked. This change fixes this by not unlocking the doors when you open the frunk/trunk. For an alternative see item 54 which fixes this issue by triggering the relock feature when you open the frunk/trunk.

Front-end Electronics: Coding value- General: Central locking opens with lid/rear lid unlocking = No {Default: Yes}



Note: After opening the frunk or trunk the flashing red light that indicates that the door is locked will stop flashing even though the car is still locked.

18. Activate 4-point LEDs with Headlights On (done and works)

Normally, the 4-point LEDs turn off when headlights are on. This in essence makes the 4-point daylight driving light a marker light when headlights are on. This coding does not change the fact that the 4-point LEDs are on when headlights are off. Apparently, this coding does not work on cars with PDLs Plus. I have had a couple people who have PDLs Plus tell me that this coding causes the daytime driving light to flicker.

Rear-End Electronics: Exterior Lighting: Exterior Lights, DD as marker light = YES
{Default: No}

Rear-End Electronics: Exterior lighting parameters: Dimming value for DD lights as marker light = 100 {Default: 6}

19. Emergency Brake Display (EBD) Activation (done and works)

This coding enables emergency brake display so that when you hit the brakes hard (which is a modifiable acceleration parameter) the brake lights will flash to catch the attention of the car behind you if braking exceeds a certain G-force threshold. See this video at 2:35m to see EBD in action: [2013 Porsche Cayman S Thrashed - /CHRIS HARRIS ON CARS \(youtube.com\)](https://www.youtube.com/watch?v=CHRIS_HARRIS_ON_CARS).

Rear-End Electronics: Coding Value-Exterior Lighting-Exterior Lights, emergency brake display function available = Yes {Default: No}

Rear-End Electronics: EBD parameter- EBD stop lamp flashing on – speed on = 3
{Default: 70} [whatever speed you want emergency brake to start activating, default is 70km/h, but Santirx set his up at any speed above 3 kph... once car reaches 3 kph, if you brake hard, it will activate]

Rear-End Electronics: EBD parameter- EBD parameter-EBD stop lamp flashing deceleration on = 0.45 {Default: 0.81}[whatever deceleration value you choose... through experimentation, Santirx found that setting this value to 0.45g is appropriate]

Rear-End Electronics: EBD parameter- EBD stop lamp flashing deceleration off = 0.35
{Default: 0.71} [whatever deceleration value you choose... through experimentation, Santirx found that setting this value to 0.35g is appropriate]

Rear-End Electronics: EBD parameter- EBD stop lamp flashing run-on time = 1
{Default: 0} [this is the amount of flashing time... through experimentation Santirx found that 1 second is enough, otherwise you could stop at a light and the lights could still be flashing (while you are stopped)]

Front-End Electronics: Coding value- Exterior lighting – Exterior lights, warning flashing with emergency brake display = Yes {Default: No} [If this code is set to yes, in addition to the brake lights flashing, the hazard lights will also turn on. The hazard lights will then automatically turn off when the car starts moving again. Apparently, this is factory coding in Germany.]

20. Lower or Turn Off Soundaktor Sound (done and works)

You can change the Soundaktor sound volume, or even turn it off. The Soundaktor is a device that produces artificial engine sound to “enhance” the sound of the engine in the cabin. I changed this value on my car to 0% since I think that the engine sounds better without artificial engine sound. It is confusing that the name of the module is Sound Symposer when the coding only works on 718s that have a Soundaktor and this coding does not work on GT4s, Spyderys and GTS 4.0s which have a Sound Symposer. Link to video that explains the Soundaktor and the Sound

Symposer: [All about the Soundaktor and Sound Symposer - Rennlist - Porsche Discussion Forums.](#)

Sound Symposer: `Loudness_actuator_for_structure_borne_sound = 0` {Default: 100}
 [you can set this figure to any value between 0 to 100%]

Note: If your car has a Sound Symposer, there are kits you can buy to disable it. See [Porsche 718 GT4 / Spyder / GTS 4.0L Drone Reduction Sound Symposer Delete - Soul Performance Products](#) [Soul Performance Products \(soulpp.com\)](#) and [Fabspeed Porsche 718 GT4 / GTS / Spyder Sound Symposer Delete Kit \(2020+\) - Fabspeed Motorsport](#). You can also remove the bulkhead and plug the hole with a sock (or something else) to drown out the sound entering the cabin. A user on the 718 forum also suggested that there may be coding to disable it but I haven't seen anyone who has identified it yet. Here is the post: [718 Coding with X431 | Page 45 | Porsche 718 Forum](#).

21. Display Accurate Coolant Temperature Characteristic Curve (done and works)

Without coding, the coolant temperatures between 80.3°C and 110.3°C (176.54°F to 230.54°F) are mapped to display 90°C (194°F) in the instrument cluster. The coolant temperatures between 110.3°C to 114.8°C (230.54°F to 238.64°F) are mapped to display 105°C (221°F) in the instrument cluster. The coolant temperatures between 114.8°C to 118.5°C (238.64°F to 245.3°F) are mapped to display 115°C (239°F) in the instrument cluster. The coolant temperatures between 118.5°C to 125.3°C (245.3°F to 257.54°F) are mapped to display 125°C (257°F) in the instrument cluster. After 125.3°C (257°F), the actual temperature is displayed in the instrument cluster.

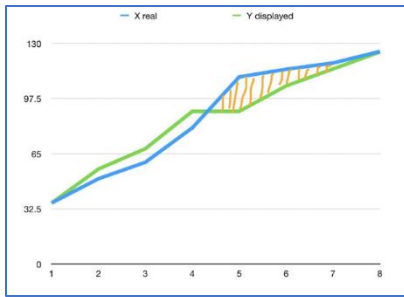
The location for the characteristic curve values is here...

Instrument Cluster: Coolant temperature characteristic curve

You will see all real and displayed values (8 for each).

	X real	Y displayed
1	36	36
2	50.3	56
3	60	68
4	80.3	90
5	110.3	90
6	114.8	105
7	118.5	115
8	125.3	125

This table shows the behavior.



If you follow the green line (displayed values in cluster), there is a long period of time where you will see a constant temperature, when in reality the temperature is higher. Then, once out of that range, it will shoot up really quick to catch up with real temperature value (blue line)... that may not give you much response time if your car is overheating. That orange zone is what you would need to pay attention to.

To display actual values in the instrument cluster, copy the respective X value into the Y value. You should write down all values first (so that you can have them as backup), then change all Y values.

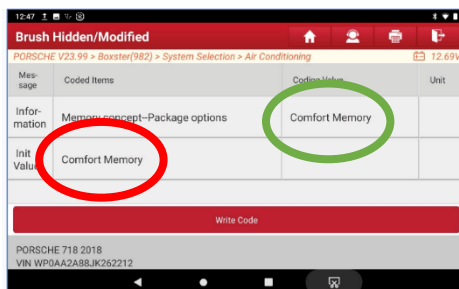
Santirx also changed the bargraph range to display the full temperature range starting at 36°C... default is 60°C.

Instrument cluster: Bargraph settings: Bargraph settings-coolant temperature bargraph start = 36 {Default: 60}

22. HVAC Startup Memory (done and works)

There are 3 choices for the HVAC Memory System – Basis Memory, Driver Memory, and Comfort Memory. The default is Comfort Memory. With Comfort Memory, the system is tied to the Comfort Seat memory. Driver Memory remembers the last setting that was used with whichever key was used the last time that key was used. Basis Memory apparently just remembers the last setting that was used for the car regardless of key. This does not save the HVAC in the “Off” setting.

Air Conditioning: Memory concept- Package options = Driver Memory, Basis Default or Comfort Memory {Default: Comfort Memory}



23. Remember Last State of Auto Stop/Start (ASS) (done and works)

ASS remembers the last state of the Auto Stop/Start rather than always being on when you start the car. 911T4me on the Thinkdiag 991 site confirmed that this coding also remembers the last state of PASM (at least on his 991). Also check out items 60 and 61 for alternatives.

Air Conditioning: Coding value- Default Driving State Coding Value = Last Mode
{Default: Eco ON}

Air Conditioning: Coding value- Default Driving State Coding Value Last Mode = Yes
{Default: No}

24. Disable Up Shift Arrow (done and works)

This coding disables the arrow indicator for the PDK (if in manual mode) and the MT6 in the MFD.

Instrument Cluster: Board Computer Display config key 1-BC config byte 4-Eco display = shutdown {Default: Open}

Instrument Cluster: Board Computer Display config key 2-BC config byte 4-Eco display = shutdown {Default: Open}

AND for Sport Mode

Instrument Cluster: Coding value-Coding byte 0- ECO - display in sport mode= Shutdown {Default: Open}

Instrument Cluster: Coding value- Coding byte 0- ECO - display in sport plus mode= Shutdown {Default: Open}

25. Performance Display/Torque Display/G Force Menu Activation (done and works)

This will add displays in the Instrument Cluster for the G Force Menu and the Performance Menu. If you don't code key 1 and key 2 below, after coding these changes, you will need to go to Settings > Display > Menu Scope and check the boxes for the G Force Menu and the Performance Menu. In the Performance Menu, click on it to choose Power or Torque to switch between the Power Display and the Torque Display.

Instrument Cluster: Board computer menu configuration: Board computer menu configuration 7-Performance Display =1 {Default: 0}

Instrument Cluster: Board computer display configuration key 1: BC Configuration byte 13-Performance Display = Torque Display {Default: Torque Display} [The selection does not appear to matter. The car changes this code depending on the menu selection]

Instrument Cluster: Board computer display configuration key 2: BC Configuration byte 13-Performance Display = Torque Display {Default: Torque Display} [The selection does not appear to matter. The car changes this code depending on the menu selection]

Instrument Cluster: Board computer menu configuration – Board computer menu configuration – byte 7 - Performance display section = Performance Readout + Torque Readout {Default: Torque Display}

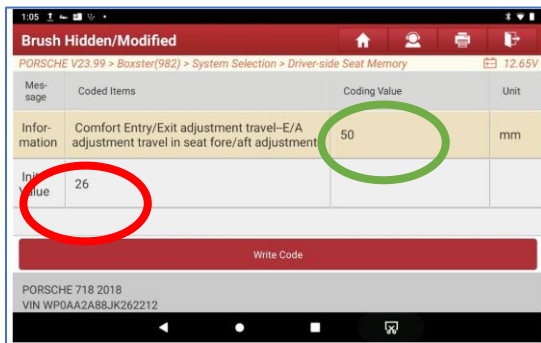
Instrument Cluster: Board computer menu configuration: Board computer menu configuration byte 4 -G force =1 {Default: 0}



26. Increase Comfort Entry/Exit Travel Adjustment for Seat (done and works)

When the Comfort Entry function is enabled in your car, the driver’s seat moves back by 26mm and the steering wheel moves up when your car is turned off to make it easier to get in and out of your car. This coding allows you to increase the distance that the driver’s seat moves backwards when the car is turned off. I have set this to 50mm. I do not know how much further you can set it. To work, you must have memory seats and the comfort entry setting must be checked on (see picture below)

Driver-side Seat Memory: Comfort Entry/Exit adjustment travel- E/A adjustment travel in seat fore/aft movement = 50 {Default: 26}

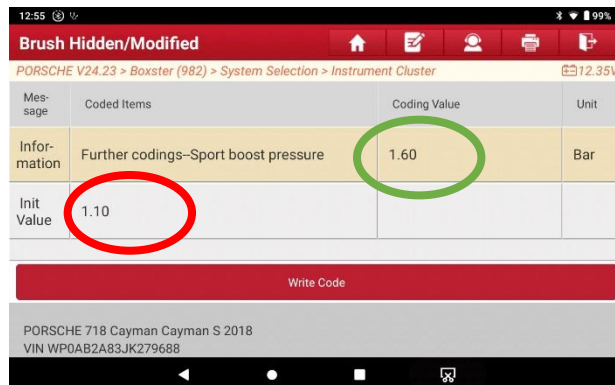
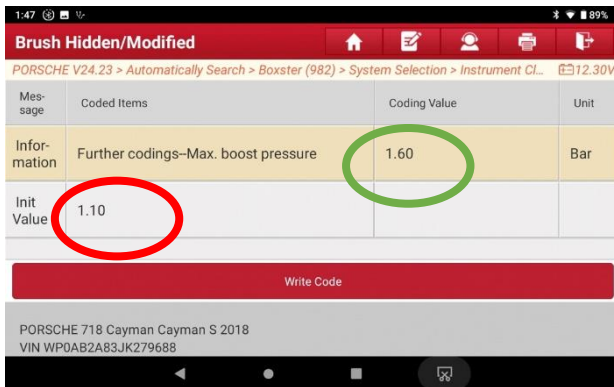


27. Increase Boost Pressure Scale for Tune (done and works)

This coding increases Max Boost Pressure / Boost Pressure Sport to 1.6 bar (which equates to 23 psi) since the MFD maxes out at 1.1 (which equates to 16 psi). This coding is only needed if you have a tune.

Instrument Cluster: Further Codings - Max Boost Pressure = 1.60 {Default: 1.10}

Instrument Cluster: Further Codings – Sport boost pressure = 1.60 {Default: 1.10}



28. Disable Acoustic Feedback on Locking (done and works)

This coding disables the “chirping noise” when you lock your car.

Front-end Electronics: Coding value- General- Acoustic feedback for central locking (only permitted in North America) = No {Default: Yes}

29. Modify Speed that Doors Automatically Lock After Driving (done and works)

If the car is set to automatically lock “after driveaway”, this coding modifies the speed in kph that the doors will automatically lock. To set “after driveaway”, go to Settings > Locking > Door Lock and then choose “after driveaway”. Without coding, the doors lock at 5 kph (3.1 mph).

Front-end Electronics: General parameter- Speed threshold for AutoLock = speed in kph that doors will lock {Default: 5}

30. Enable Track Tires (done but need to validate)

This coding adds a new setting in the TPMS Menu for 20" Track Tires. You can customize the tire pressures. For the tire pressure codes, 1 bar = 14.5 psi so the default codes for the front tires of 2.2 equates to 31.9 (which is rounded to 32 psi) and the default codes for the rear tires of 2.5 equates to 36.25 psi (which is rounded to 36 psi). Thank you to daver for confirming that this is working. Thank you to Locus_red for figuring out how to write the text to the last code.

Instrument Cluster: TPMS Coding - Display summer menu item (freely selectable) = Yes
{Default: No}

Instrument Cluster: TPMS nominal pressure pairs—Nominal pressure pair (summer/free text/TB)-Nominal pressure on rear axle (Part load/Comfort) = [set desired pressure]
{Default: 2.5}

Instrument Cluster: TPMS nominal pressure pairs—Nominal pressure pair (summer/free text/TB)-Nominal pressure on front axle (partially loaded/Comfort) = [set desired pressure]
{Default: 2.2}

Instrument Cluster: TPMS nominal pressure pairs—Nominal pressure pair (summer/free text/TB)-Nominal pressure on rear axle (Part load/Standard) = [set desired pressure]
{Default: 2.5}


Instrument Cluster: TPMS nominal pressure pairs—Nominal pressure pair (summer/free text/TB)-Nominal pressure on front axle (Part load/Standard) = [set desired pressure]
{Default: 2.2}

Instrument Cluster: TPMS nominal pressure pairs—Nominal pressure pair (summer/free text/VB)-Nominal pressure on rear axle (Full load/Comfort) = [set desired pressure]
{Default: 2.5}

Instrument Cluster: TPMS nominal pressure pairs—Nominal pressure pair (summer/free text/VB)-Nominal pressure on front axle (Full load/Comfort) = [set desired pressure]
{Default: 2.2}

Instrument Cluster: TPMS nominal pressure pairs—Nominal pressure pair (summer/free text/VB)-Nominal pressure on rear axle (Full load/Standard) = [set desired pressure]
{Default: 2.5}

Instrument Cluster: TPMS nominal pressure pairs—Nominal pressure pair (summer/free text/VB)-Nominal pressure on front axle (Full load/Standard) = [set desired pressure]
{Default: 2.2}

Instrument Cluster: TPMS Configuration – Set of Wheels Designation = 20" Track
{Default: } [Note that the entry must be exactly ten characters so add trailing spaces if your entry is not ten characters]

31. Parking Assist Not Triggered until Emergency Brake is Released (not done or tested)

This coding changes the Parking Assist when the ignition is on. If you are parked in the garage, the garage door and the back wall will trigger the Parking Assist sensors. This changes the Parking Assist so that it now only activates after the Emergency Brake is released.

Park Assist: General coding data: P or EPB deactivates the parking aid= Pan, Epban {default: Pan, EPB off}

32. Disable Hill Hold Assist (not done or tested)

Hill Hold Assist prevents the car from coasting backward on a hill. This coding disables Hill Hold Assist.

PSM (Porsche Stability Management): Function coding- Coding byte 1 – HOLD/Hill hold = Start-Off Assist HOLD/Hill Hold Off {Start-Off Assist HOLD/Hill Hold On}

33. Change Time for Relocking (done and works)

If you unlock your car, the car will relock automatically after 30 seconds if no door or luggage compartment lid is opened within 30 seconds. This coding changes the number of seconds before the car will relock if the door or luggage compartment is not opened.

Front-end Electronics: General parameter – Relocking time of doors = 120 [number of second that you wish up to 255] {Default: 30}

Note: I tried to enable the Relock Menu to allow the number of seconds to be varied through the MFD without further coding but was not successful. See item c under Possible Future Features Below.

34. Enable Gear Shift Assist Menu (done and works)

If anyone who does not have sports chrono wants to enable the Gear Shift Assist Menu, this coding adds the gear shift assist menu on the 981 forum. I am not sure why anyone wants to add this. On my car which has a pdk, it displays the same gear that is already shown in the MFD.

Instrument Cluster: Board computer menu configuration – Board computer menu configuration byte 7- Display = 1 {Default: 0}

35. Enable Auto Memory (done and tested)

This coding enables the auto memory function if your car has the memory package. When this function is active, the personal settings are stored automatically on the driver's key when the car is turned off. You do not have to remember to save any changes to the key memory. If you don't code key 1 and key 2 below, after changing the coding, go to Settings>Locking>Auto memory to turn auto memory on.

Instrument Cluster: Board computer menu configuration – Board computer menu configuration byte 2- Auto-MEM = 1 {Default: 0}

Instrument Cluster: Board computer display configuration factory setting – BC configuration byte 1- Auto-MEM = Open {Default: Shutdown}

Instrument Cluster: Board computer display configuration key 1 - BC configuration byte 1- Auto-MEM = Open {Default: Shutdown} [Could also just enable this in the MFD]

Instrument Cluster: Board computer display configuration key 2 - BC configuration byte 1- Auto-MEM = Open {Default: Shutdown} [Could also just enable this in the MFD]

36. Adjust Headlight Washer Cycles (not done or tested)

This coding adjusts the number of wiper wash cycles before headlight washing is triggered.

Front-end Electronics: Wipe/wash parameter - Wash processes until first operation = number of windshield wiper cycles before headlight washer triggers between 0 and 255 {Default: 10}

37. Add Rear Axle Steering Menu to MFD (not done or tested)

I saw this on the Rennlist 991 Forum. This adds the Rear Axle Steering Menu to the MFD so you can easily toggle rear axle steering on and off. Your car must have rear axle steering.

Instrument Cluster: Board computer menu configuration-Board computer menu configuration byte 2- Rear axle steering = 1 {Default: 0}

38. Change Power Steering Profile (not done or tested)

On the 981 forum they changed the Electric Power Steering profile to the profile for the GT3 and thought this greatly improved the steering feel. Unfortunately, on my 2017 Boxster S, the only other profiles were for a 991 so I never tried changing the profile to see how it affected the steering. If I had a profile for a Spyder or a GT4, I would have felt differently. Treemagnet (who has a 2022 Boxster GTS) and swchang (who has a 2024 Boxster GTS) both confirmed that their cars have the same profiles as mine. Let me know if you try this and if it changes the steering feel.

Electric Power Steering: Coding value-Coding-Model line= [choose the profile you want] {Default on my car: 982 Boxster (S) and Cayman (S)}

39. Puddle Lights On When Mirrors are Retracted (not done or tested)

If you have automatically folding mirrors with lights, this coding turns on the mirror lights when the mirrors are retracted. I don't have retracting mirrors. Thank you to Treemagnet for confirming that this is working.

Driver's Door: Information coding- Illumination- Switching off front area light when mirror folded in = Light is Switched On {Default: Light is Switched Off}

Passenger's Door: Information coding- Illumination- Switching off front area light when mirror folded in = Light is Switched On {Default: Light is Switched Off}

40. Mirror Dip When Reversing (not done or tested)

This coding adds the ability for the passenger side mirror to dip when reversing. However, without a motor, the dip is not as much as if the mirror has a motor. My car has mirror dip from factory so I confirmed codes but can't test.

Instrument Cluster: Board computer menu configuration-Board computer menu configuration byte 3- Lower mirror = 1 {Default: 0}

Instrument Cluster: Board computer display configuration key 1-BC configuration byte 8- Reversing options – lower mirror = Open {Default: Shutdown}

Instrument Cluster: Board computer display configuration key 2-BC configuration byte 8- Reversing options- lower mirror = Open {Default: Shutdown}

Instrument Cluster: Board computer display configuration factory setting – BC configuration byte 8 - Reversing options – lower mirror = Open {Default: Shutdown}

[My car has mirror dip and this code was set to shutdown. Anyone know what this code does?]

Driver's Door: Coding- Exterior rearview mirror 1 - mirror lowering for reverse gear = Active {Default: Not Active}

Passenger's Door: Coding- Exterior rearview mirror 1 - mirror lowering for reverse gear = Active {Default: Not Active}

41. Change Illumination of Sports Chrono Clock (not done or tested)

This coding changes the illumination of the Sports Chrono. A higher number increases the illumination. My car does not have Sports Chrono so I am unable to test this. Thank you to Treemagnet for testing this.

Additional Instrument Watch: Coding value – PWM_MaxS = any value up to 255 {Default: 106}

42. Adjust Heating Steering Wheel Temperature (not done or tested)

This coding changes the steering wheel temperature.

Steering Wheel Electronic: Read/write parameter-Steering wheel heater target temperature = setpoint temperature you want {Default: 35}

Steering Wheel Electronic: Read/write parameter-Steering wheel heater shutoff threshold = shutoff temperature you want {Default: 40}

43. Activate Rain Sensor on Wipers (not done or tested)

This coding activates the rain sensors on the wipers. I saw somewhere that the car has rain sensors even if this was not optioned with the car. I have rain sensing wipers so I confirmed that these codes are the same as on my car.

Front-end Electronics: Coding value – Equipment - Rain sensor equipment = Yes
{Default: No}

Front-end Electronics: RLS coding – RLS codings - Rain Sensor inactive = No {Default:
Yes}

44. Change Speeds at Which High Beam Assist is Activated and Deactivated (not done or tested)

If your car has PDLS +, this coding changes the speed at which high beam assist can be activated and the speed at which it will deactivate. By default, your car must be traveling 60 kph (37 mph) to enable high beam assist and it will deactivate if your car is traveling less than 35 kph (22 mph). However, Treemagnet checked his codes and in his car, the activation speed was 57 kph (35 mph) and the deactivation speed was 27 kph (17 mph). I do not have PDLS + so I am unable to test this.

Front Camera: Lower_speed_threshold_for_main_beam_on -
Par_lower_speed_threshold_for_main_beam_on = speed in kph that high beam assist is
activated {Default:57}

Front Camera: Lower_speed_threshold_for_main_beam_off -
Par_lower_speed_threshold_for_main_beam_off = speed in kph that high beam assist is
deactivated {Default: 27}

45. Low Beam Headlights Turn On When Entering and Exiting Car (done and tested)

According to the owner's manual, if the light switch is set to Auto, the following lights remain switched on for a certain period after entering and exiting the car to allow you to get in and out of your car safely: (a) daytime running lights, (b) door courtesy lights in the folded out exterior mirrors (on vehicles so equipped), (c) rear side marker lights and (d) the number plate lights. The time period is set in the MFD with Settings > Light & Visibility > Exterior Lights > Fade Out. This coding turns on the dipped beams (low beam headlights) when you enter and exit the car in addition to the above items.

Front-end Electronics: Coding value – Exterior lighting – Exterior lighting
coming/leaving home with dipped beam = Yes {Default: No}

This coding can be used to turn off the 4-point LED lights (when you enter and exit the car).

Front-end Electronics: Coding value – Exterior lighting – Exterior lighting
coming/leaving home with daytime driving lights = No {Default: Yes}

46. Enable PDLS+ Intersection Assistant (not done or tested)

Porsche's PDLS + also has an intersection assistant function. This system recognizes approaching intersections based on the GPS navigation system's map data. As you approach an intersection, Intersection Assistant activates the left and right indicators, making the beam of

light broader and shorter. This improves illumination of the area directly surrounding the vehicle, making the driver more aware of what's going on around him. This coding turns on intersection assistant on cars with PDLs + if this function was not turned on at the factory. My car doesn't have PDLs + so I am unable to test this. Thank you to Treemagnet for confirming the coding.

Headlight (Central): Coding Value-Coding string- PSD intersection light (intersection) = 1 {Default: 0}

47. Enable Power Steering Plus (done and works)

This coding enables power steering plus. No dealer codes needed... no errors. According to Mani on the 718 Forum, the steering feels very light at low speeds and parking, but same as before once you start driving about faster than 15 – 20 mph.

Note: Do not enable the code in the Front-end Electronics module. That will cause errors.

Electric Power Steering: Coding value – coding - Servotronic = 1 {Default: Inactive}

48. Activate PSM Sport (done and works)

This coding enables PSM Sport on 718s that do not have Sports Chrono. Porsche Stability Management (PSM), which delivers a high degree of active driving safety at longitudinal and lateral limits. “PSM Sport” is very different to the normal mode and allows ambitious drivers to take their 718 even closer to its limits – on the racetrack, for example. Compared with “PSM On”, the function enables significantly larger yaw movements around the vertical axis and a higher degree of slip on the drive wheels, making the dynamic performance of the vehicle even more palpable. This eliminates the need to deactivate the PSM fully, even for seasoned drivers. The “PSM Off” mode is activated by pressing and holding the PSM button. This is in keeping with Porsche's philosophy of allowing drivers to deactivate the control system entirely when desired. However, in “PSM Off” and “PSM Sport” mode, powerful braking in the ABS control range re-activates the full stabilizing effect of the PSM system, but only until the brake is released again. When PSM is on, a short press of the PSM button switches to PSM Sport. When PSM is on, a long press of the PSM button turns PSM off. Thank you to Mani.

PSM: Function coding – Coding byte 3 – PSM-Sport Coding Value = PSM On, PSM Sport And PSM Off Available {Default: PSM On And PSM Off Available}

49. Set Last Mode for the Spoiler (done and works)

This coding sets last mode for the spoiler button on the console. By default, if you manually raise the spoiler the button will revert back to automatic mode after the car is turned off and the car is driven. This coding keeps the spoiler in manual mode until you switch it back to automatic mode.

Rear-End Electronics: Spoiler coding – Last-mode (terminal 15) active = Yes {Default: No}

50. Change DME Fuel Market (not done or tested)

In the older Porsche DMEs, there used to be a manual switch for this and it retarded timing slightly if you set it to B or C; best performance in A. Some were numbers too (0, 1 or 2).

Per Porsche, there are three fuel markets (the 718 only has A or B):

A= Europe (most of it)

B= US/CANADA

C= ROW (China, Africa)

Porsche even has different maintenance schedules based on market A, B or C.

DME fuel market code on the 718 is only A or B.

Here's why this matters for owners in the US. Europe has always had a higher standard for fuel quality, biggest difference being sulfur content... but starting in 2017, all US fuel meets European fuel standards with lower sulfur content.

Many folks used to set the DME to A or 0 in the US for better performance on the older cars too. Mani tested this and did not notice any difference. However, his car has a tune. If you try this, let me know if you notice any difference.

**DME (Digital Engine Electronics): Coding value – Coding byte 2- Fuel market = A
{Default: B}**

51. Add Software Portion of Porsche Torque Vectoring (done but not validated)

From what I understand, the Porsche Torque Vectoring (“PTV”) option on a build from the factory adds both a mechanical clutch-style LSD and the PTV software. The LSD hardware and PTV software are separate entities that simply work alongside each other (<https://www.porsche fremont.com/porsche-torque-vectoring/>). The PTV software works through the PSM system to apply a small amount of braking to the inner rear wheel in order to improve to turn-in on corner entry. Whereas the primary job of the LSD is to distribute power on corner exit. This coding activates the PTV software portion on 718s that do not have PTV from the factory.

It is not clear whether you should or shouldn't activate the PTV software in the absence of a mechanical LSD. Some users have seen instances of people wanting to disable PTV with concerns of excessive rear pad wear. As for using PTV alongside an open differential, it may not be a bad thing. Notably, McLaren adopts a similar configuration for most of their lineup. Everything from the McLaren P1 to the 765LT all incorporate an open differential paired with McLaren's brake steer system. Here is a video of that system in the P1 (https://www.youtube.com/watch?v=gBHmWZcnWwM&embeds_referring_euri=https%3A%2F%2Frennlist.com%2Fforums%2F981-forum%2F1344804-piwis-ptv-activation-deactivation-3.html&source_ve_path=Mjg2NjY&feature=emb_logo)

In the video, he explains how brake steer can effectively transform an open differential into a quasi-limited slip. Essentially allowing a greater transfer of torque to the ground on the outside wheel compared to the inside wheel, something that is normally impossible on an open differential. Perhaps the same is happening here on our cars? Even if it's not by design.

So far, I have not noticed any difference in normal driving but I need to try it on some twisty roads (if I can find any by me). However, if you try this, let me know your thoughts.

PSM –Coding byte 2 – PTV: Porsche Torque Vectoring = Open {Default = Shutdown}

Note: This coding could also be used to deactivate the PTV software on a car with factory PTV if you feel that PTV is resulting in excessive brake wear. This may especially be the case if you track your 718.

52. Enable Daytime Running Light Menu in MFD (done and works)

This coding enables the daytime running lights menu which allows you to turn on and off the daytime running lights using the MFD (see below).

Instrument Cluster: Board menu configuration-Board computer menu configuration byte 1- Daytime running light = 1 {Default: 0}

Front-end Electronics: Coding value - Exterior lighting – Exterior lighting: DDL specification = No {Default: Yes}

Front-end Electronics: Coding value - Exterior lighting – Exterior Lights, DD lights can be activated via PCM instrument cluster = Yes {Default: No}



53. Change Brake Booster Settings (done and works)

This coding changes the brake booster settings. The default is HBA Threshold C which provides the least amount of boost. HBA Threshold A provides the most boost. You can also choose HBA Threshold B. I liked HBA Threshold B the best. Mani liked HBA Threshold A the best. Try all three and see which one you prefer.

PSM: Coding byte 1 - Hydraulic brake assist = HBA Threshold A {Default: HBA Threshold C}

54. Doors Automatically Relock After Opening Frunk/Trunk When Doors Are Locked (done and works)

By default, if you open the frunk or the trunk via the key fob or entry & drive, the doors are unlocked as well. This is a pain if you need something from the trunk because the doors are now unlocked. Item 17 solves this issue by not unlocking the doors if you open the frunk or trunk. Alternatively, this item unlocks the doors if you open the frunk or trunk (you will need to put the codes in item 17 back to the defaults if you previously changed them). However, this coding triggers the relocking function when the doors unlock as a result of opening the frunk or trunk. That way, if after opening the frunk or trunk, the doors can be opened without unlocking the car

if the door is opened within 120 seconds (30 second if you don't change the second code) but if the doors are not opened within 120 seconds (30 second if you don't change the second code), the doors will automatically relock.

Front-end Electronics: Coding value- General – General, relocking starts with lid closed = Yes {Default: No}

Front-end Electronics: General parameter – Relocking time of flaps = 120 [number of second that you wish up to 255] {Default: 30}

Note: Item 17 is an alternative which fixes this issue by not unlocking the doors when you open the frunk or trunk.

55. Change Volume of Park Assist and Warning Tones (done and works)

The MFD allows you to choose between low, medium and loud settings for both park assist (see below) and warning tones by going to Settings>Volume> ParkAssist and Settings>Volume> Warn. tones. This coding allows you to modify the decibel level that is used for each of these settings. I set the park assist quiet setting to 0 and the park assist level in the MFD to low. Now, park assist pops up on my PCM but there is no audible warning.

Instrument Cluster: Sound parameter – Park assist – channel matching quiet = desired decibel level between 0 and 30 {Default: 18} [this sets the level if parkassist is set to low]

Instrument Cluster: Sound parameter – Park assist – channel matching middle = decibel level between 0 and 30 {Default: 20} [this sets the level if parkassist is set to medium]

Instrument Cluster: Sound parameter – Park assist – channel matching loud = decibel level between 0 and 30 {Default: 22} [this sets the level if parkassist is set to loud]

Instrument Cluster: Sound parameter – Warning tones – channel matching quiet = decibel level between 0 and 30 {Default: 15} [this sets the level if warn.tone is set to low]

Instrument Cluster: Sound parameter – Warning tones – channel matching middle = decibel level between 0 and 30 {Default: 17} [this sets the level if warn.tone is set to medium]

Instrument Cluster: Sound parameter – Warning tones – channel matching loud = decibel level between 0 and 30 {Default: 19} [this sets the level if warn. tone is set to loud]



56. Add Additional Options for Diamond/Joker Button (done and works)

This coding will add vehicle settings which adds additional items that you can assign to the diamond/joker button on your multifunction steering wheel. When I set the diamond/joker button to control start/stop, it did turn on and off the start/stop button on my 718. However, when I set the diamond/joker button to control sport mode, this button did not do anything on my 718. It appears that the diamond/joker button also does not work to turn on sport plus even on 718s that have this function. Thank you to Treemagnet for checking the features that I do not have.

Note: This coding can't be used to activate features your car does not have and some of them don't work even if your car does have the feature.

Instrument Cluster: Board computer menu configuration 2 -Board menu configuration 2 byte 2 – Joker Sport = 1 {Default: 0} [While this option appears in the menu, the joker button does not activate this function]

Instrument Cluster: Board computer menu configuration 2 -Board menu configuration 2 byte 2 – Joker Sport Plus = 1 {Default: 0} [While this option appears in the menu, the joker button does not activate this function]

Instrument Cluster: Board computer menu configuration 2 -Board menu configuration 2 byte 2 – Joker PASM = 1 {Default: 0} [While this option appears in the menu, the joker button does not activate this function]

Instrument Cluster: Board computer menu configuration 2 -Board menu configuration 2 byte 2 – Joker lane departure warning = 1 {Default: 0} [This option appears in the menu, but whether the joker button activates this function has not been tested by any 718 owner with lane change assist]

Instrument Cluster: Board computer menu configuration 2 -Board menu configuration 2 byte 2 – Joker sport exhaust system = 1 {Default: 0} [Confirmed Working]

Instrument Cluster: Board computer menu configuration 2 -Board menu configuration 2 byte 2 – Joker Start/Stop = 1 {Default: 0} [Confirmed Working]

Instrument Cluster: Board computer menu configuration -Board menu configuration byte 7 – Horn function = 1 {Default: 0} [While this option appears in the menu, the joker button does not activate this function. Note: There is another code in the Steering Wheel Electronic module called Horn activation via joker button that is set to no. I tried changing that code to yes, but the horn still could not be activated with the diamond button]

57. Disable Warning That Door or Frunk is Open When Stationary (done and works)

This coding eliminates the warning message that a door or frunk is open when the vehicle is stationary. I hate the warning message that takes over the MFD when my door is open. That being said, this disables the warning that any door or the frunk is open when the car is stationary. **However, think twice before you disable this one!**

Instrument Cluster: Warning configuration – BCM_front warnings – Door open or front cover open when vehicle stationary = 0 {Default: 1}

58. Add Rain Sensor Menu (done and works)

This coding adds a menu to both the MFD and the PCM which allows you to switch between automatic rain sensing wipers and manual. Without this coding, the car is set to automatic. Thank you to Arne for pointing this one out.

Instrument Cluster: Board computer menu configuration – Board computer menu configuration byte 1 – Rain sensor = 1 {Default: 0}



59. Disable Parking Brake Engagement When Door is Opened (done and works)

According to the owner's manual, on 718s with a pdf, the electric parking brake engages if the door is opened while the car is stationary, and the selector lever position is D, R or M. This coding prevents the parking brake from engaging in such situations.

PSA: Function coding – Coding byte 1 – Rolling prevention = Shutdown {Default: Open}

Instrument Cluster: Warning configuration – Engine Warnings – Start/stop mode failure (134) = 0 {Default: 1} [This change just disables the warning each time you start the car that says start/stop operation deactivated – see picture in item 60]

Note: This coding also disables Auto Stop/Start (ASS). The light goes on and off when you hit the switch but Auto Stop/Start (ASS) never cuts the engine.

60. Permanently Disable Auto Stop/Start (ASS) (done and works)

The coding in item 59 to Disable Parking Brake Engagement When Door is Opened also disables Auto Stop/Start (ASS). Check out items 23 and 61 for alternatives.



61. Auto Stop/Start (ASS) Defaults to Off (done and works)

This coding causes ASS to default to off when you start your car rather than always being on when you start the car. Also check out items 23 and 60 for alternatives.

Air Conditioning: Coding value- Default Driving State Coding Value = Eco Off {Default: Eco ON}

Air Conditioning: Coding value- Default Driving State Coding Value Last Mode = No
{Default: No}

62. Enable Warning Message that Multiple Keys Are In Car (done and works)

This coding enables a warning message in the MFD that there are multiple keys in the car. The only way I would have multiple keys in my car is if I accidentally left a key in the car. Although I did see a post by a guy on a 991 site complaining that he gets a warning that there are multiple keys in the car but he and his wife both intentionally had keys because his wife was dropping him off and continuing on with the car.

Instrument Cluster: Warning configuration – BCM_front warnings – Several keys in vehicle detected = 1 {Default: 0}

Note: There is another code that should trigger a warning message that the key is in the trunk. Even though this code was enabled from the factory, I have never received such a warning even though my key is often in the trunk.

63. Add Sport Chrono MFD Normal and Sport Display Indicator (done and works)

This coding enables the MFD normal and sport display indicators that are used on 718s with sport chrono. This coding also activates the individual menu in the MFD. However, without the controls on the steering wheel, it is not possible to switch to individual mode. Even with the controls on the steering wheel, you may need an activation code. See item 73.

Instrument Cluster: Board computer menu configuration 2 – Board computer menu configuration 2 byte 0 – Sport Individual = 1 {Default: 0}



64. Add Left Hand/Right Hand Driving Menu (done but need to validate)

This coding adds a menu which allows you to switch the configuration of the headlights if you will be driving in a country that drives on the opposite side of the road. After changing the coding, go to Settings>Light & Visibility>Exterior lights>L/R Driving to choose between standard and inverted. According to the owner's manual, in standard mode, the headlight position is optimized for right hand traffic on left hand drive vehicles and left-hand traffic on right hand vehicles. In inverted mode, the headlight position is optimized for left hand traffic on left hand drive vehicles and right-hand traffic on right hand vehicles.

Instrument Cluster: Board computer menu configuration – Board computer menu configuration byte 1 – Left-hand traffic = 1 {Default: 0}



65. Enable NAV display in MFD (not done or tested)

This coding adds the NAV display to the MFD after adding navigation using MIB to a 718 which doesn't have factory navigation. Link to MIB: [Porsche - MIB Solution](#). My car has factory navigation, so I am not able to confirm that this works. However, I did confirm that these codes match the codes in my car. Thank you to Bofus on the 718forum for confirming this works. In order to get full functionality, you must add an LVDS cable to your car. Many non-nav 2017 and 2018 718s do not have the video-in port on the cluster so you can't physically add an LVDS cable. According to a Rennlist post, without the LVDS cable, turn-by-turn navigation will still work and this also coding will also allow you to add the compass and altitude meter to the MFD: [PIWIS 3 Coding RePIWIS 3 Coding Retrofit and Feature Request - Page 57 - Rennlist - Porsche Discussion Forums](#). See this post for instructions on adding an LVDS cable to your car: [OEM Navigation Retrofit DIY - Rennlist - Porsche Discussion Forums](#)

Instrument Cluster: Board computer menu configuration – Board computer menu configuration byte 0- Navi Map = 1 {Default: 0}

Instrument Cluster: Board computer menu configuration – Board computer menu configuration byte 0- LVDS = 1 {Default: 0}

Instrument Cluster: Board computer display configuration key 1- BC configuration byte 3- BC role Map = Open {Default: Shutdown}

Instrument Cluster: Board computer display configuration key 2- BC configuration byte 3- BC role Map = Open {Default: Shutdown}

66. Disable Entry Portion of Entry & Drive (not done or tested)

For 718s with Entry & Drive, this coding disables the frunk, trunk and door sensors so the sensors cannot be used to open the front, trunk or doors. The frunk, trunk and doors can still be opened with the key fob. Thank you to Gottiofthedeep for providing this coding and confirming that this is working.

Front End Electronics: Coding Value – Equipment - Kessy equipment = No {Default: Yes}

If you just want to disable the frunk sensor, the trunk sensor or both, the coding is as follows:

Front End Electronics: Coding Value - Kessy functions – Kessy functions: Front lid proximity sensor fitted = No {Default: Yes}

Front End Electronics: Coding Value - Kessy functions – Kessy functions: Rear lid proximity sensor fitted = No {Default: Yes}

67. Add Sailing Display to MFD (done and works)

This coding adds an icon to the MFD that displays when sailing/coasting is active (see the icon in the picture below to the left of the time).

Front End Electronics: Coding Value – Coding byte 1 – Sailing display = 1 {Default: 0}

Front End Electronics: Coding Value – Coding byte 1 – Sailing display in MAP = 1 {Default: 0}



NOTE REGARDING CODING PCM WITH X431

Items 68 through 71 involve coding of the PCM. 718social has indicated that coding the PCM with a PIWIS often results in the screen going black and Deactivate Production Mode on his PIWIS must be initiated to fix this. Chady Saliya listed several reasons in the CarPokes forum why the PIWIS could be causing the black screen issue. See [718 Coding using Launch X431 tool - Page 14 - Carpokes](#). However, it does not appear that coding the PCM with an X431 has this same issue. While I initially only found two people who had coded their PCM on a 718 using an X431 (Julianm on the CarPokes site who coded the PCM on his 718 using an X431 to implement item 69 and Mani on the 718 forum who coded the sound frequencies and volume increase to improve the sound quality on his Bose (item 71)), neither of them had an issue with their screen going dark. Santirx and I also coded item 71 and neither of us had an issue with the screen going dark. See <https://www.carpokes.com/viewtopic.php?p=29053#p29050>. I have also changed the joker buttons and the test mode (see g and s under Possible Future Features) and had no issue with the screen going dark. If your screen does go dark, you can try using deactivate Production Mode in the PCM module to see if it fixes this issue (item 72).

Caution: If you have a Carlinkit or Ottobox module for Wireless Android Auto or CarPlay, 718social also suggests that you may want to disconnect it before coding your PCM with a PIWIS. Note that Mani coded his PCM with CarPlay connected and did not have any issue.

68. Porsche Track Precision App connected with WLAN enabled in PCM (not done or tested)

This coding enables WLAN so that the track precision app can be used. See the above note regarding coding the PCM with an X431. MIB is the way to enable WLAN. It may also enable other items that you may want as well. Link to MIB: [Porsche - MIB Solution](#)

PCM/CDR: Coding value- VW coding value textual 1-byte_24_WLAN_Module = Active {Default: Not-Active}

PCM/CDR: Vehicle_configuration-WIFI_Hotspot = Open {Default: Shutdown}

PCM/CDR: Vehicle_configuration-WIFI_Client_HMI = Open {Default: Shutdown}

PCM/CDR: Vehicle_configuration-wlan_5ghz_switch = Activated {Default: Not-Activated}

PCM/CDR: WLAN module: Activation--State = Open {Default: Shutdown}

See Above Note Regarding Coding the PCM.

69. Add Auto GPS Time to MFD (not done or tested)

This coding enables the MFD item for “Autom. time” to automatically sync the clock using GPS. Probably need a GPS antenna for this to work. My car came with navigation so I have just confirmed these settings. This coding may also be useful in order to turn off automatic time sync if you ran MIB but do not have a GPS antenna because the auto time sync is not displaying the correct time. Here is a link for adding a GPS antenna: [Trying to add a GPS antenna | Porsche 718 Forum](#)

Instrument Cluster: Board computer menu configuration-Board computer menu configuration - byte 7-GPS time = 1 {Default: 0}

Instrument Cluster: Board computer menu configuration key 1 - BC configuration byte 13- GPS time = Open {Default: Shutdown} [Could also just enable this in the MFD and then press the door buttons to memorize the key settings]

Instrument Cluster: Board computer menu configuration key 2 - BC configuration byte 13- GPS time = Open {Default: Shutdown} [Could also just enable this in the MFD and then pressing the door buttons to memorize the key settings]

PCM/CDR: Summer_Time_Shift_Method - shift_method = Automatic {Default: Manual} [Without this change the PCM won't choose the correct daylight saving time mode. (When the code is set to manual it seems to forget after each shutdown, but only if GPS time is enabled.)]

See Above Note Regarding Coding the PCM.

70. Clear SVM Error After Using MIB (not done or tested)

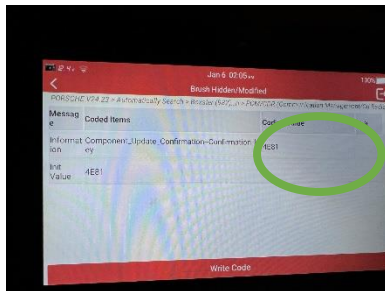
This coding clears the SVM Error permanently using Launch X431 by writing a revised code created using the XOR calculator to the code shown below after using MIB. Use this if you still have an error after using the Fix SVM Error in the MIB software. I saw this on the first Rennlist forum.

See Above Note Regarding Coding the PCM.

XOR Calculator

[I'm So XORy - fix DTC 1555 / B201A \(Checking software version management\) \(mib-helper.com\)](http://mib-helper.com)

Code that needs to be changed



71. Adjust PCM and Amplifier Sound Frequencies and Volume (done and works)

This coding changes the sound frequencies and increases the volume for better sound quality. Mani ended up leaving the Test Volume parameters at the factory setting of 22. However, I included the test volume codes in case you would like to try changing them. Thank you to Mani.

External Amplifier: Set_Loudspeaker_Test_Frequency-bass = 100 {Default: 100}

External Amplifier: Set_Loudspeaker_Test_Frequency-mid-range = 1000 {Default:

External Amplifier: Set_Loudspeaker_Test_Frequency-treble = 4000 {Default: 4000}[Unlike the code in the PCM, I did not notice any difference changing this code. Let me know if you disagree]

PCM/CDR: Set_Loudspeaker_Test_Frequency-bass = 100 {Default: 100}

PCM/CDR: Set_Loudspeaker_Test_Frequency-mid-range = 1000 {Default: 1000}

PCM/CDR: Set_Loudspeaker_Test_Frequency-treble = 3000 {Default: 4000}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_1_Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_2_Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_3_Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_4_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_5_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_6_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_7_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_8_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_9_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_10_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_11_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_12_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_13_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_14_
Test_Volume = 22 {Default: 22}

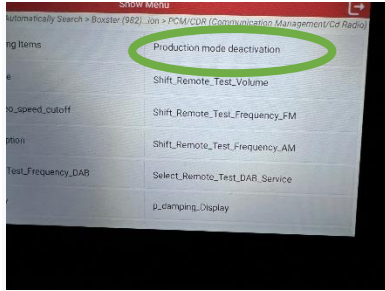
PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_15_
Test_Volume = 22 {Default: 22}

PCM/CDR: Set_Loudspeaker_Test_Mode-Parameter AC-Diagnostics_Channel_16_
Test_Volume = 22 {Default: 22}

See Above Note Regarding Coding the PCM.

72. Deactivate Production Mode for Coding PCM (not done or tested)

If you are coding your PCM, the screen might go dark on your PCM. This happens on both stock and AIO PCMs when you code the PCM using PIWIS. It is possible that this same issue may happen when coding with an X431 and it is also possible that this function (shown below) may fix this issue.



73. Add Sport Chrono Activation Code (not done or tested)

This company sells a Sport Chrono retrofit for the 718. [991.2 / 718 Sport Chrono retrofit kits Full kits including center trim and Chrono button Also activation code You will need to have piwis 3 for coding | Innovative Soft \(innovativesoftnz.com\)](#). According to this company, a PIWIS is required. However, I located the function to add the activation code to the air conditioning module in the X431. The activation code may also need to be entered in the PCM module. I spoke to Thinkdiag and they indicated that the function activation option under Special Functions for PCM 4 will be added in June 2024 (Still not added as of the date of this document). This company also sells a Sport Chrono retrofit for the 718: [Sport Chrono SC Package For 718 Boxster \(autosvs.com\)](#). It may also be possible to add Sport Chrono without purchasing a kit. This company sells the parts but does not offer activation codes: [PORSCHE 911 BOXSTER CAYENNE MACAN PANAMERA CONTROL BUTTON SWITCHES heated CHRONO | eBay](#) and [PORSCHE 911 BOXSTER CAYENNE MACAN PANAMERA CONTROL UNIT heated/shift/chrono full | eBay](#). Here is a link to a post by joserpaq who added Sport Chrono to a 991.1 without an activation code: [981 Sport Chrono Retrofit part 2: software side - Page 8 - Rennlist - Porsche Discussion Forums](#) Even if the activation code only needs to be entered into the air conditioning module, you will still need to figure out the coding that is required. Maybe it is possible for someone with a PIWIS to provide us with the list of codes that must be changed to add Sport Chrono. It may also be possible to add a Sport Plus button to the console instead of adding the button to the steering wheel. While 718s did not come this way from the factory, the coding in the air conditioning module is there to add the button so it is possible this could work. Here is the link to Santirx's video for the Macan: [THIS IS HUGE!!! Adding Sport Plus and Launch Control to my Porsche Macan for less than \\$200 \(youtube.com\)](#). However, I tried remapping the buttons without any luck. See item v under Possible Future Features below.

Air Conditioning: BKE key field key assignment – Left button 3 (front) = Sport Plus
{Default: Not Assigned}

Another idea for activating sport plus was to use the joker button on a multifunction wheel, but this does not work even on a 718 with factory sport chrono. See item 56.

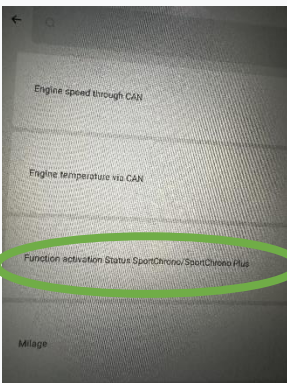
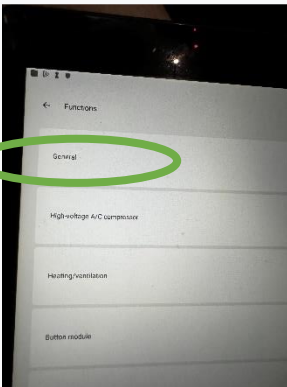
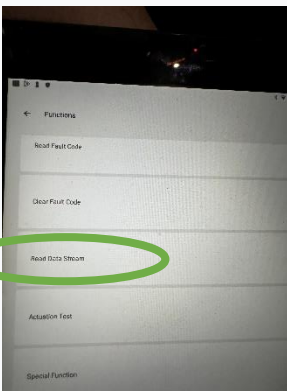
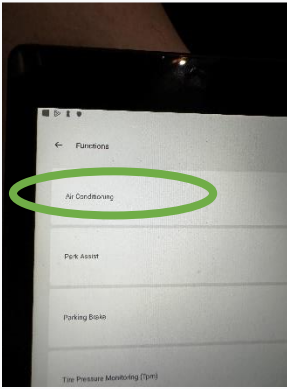
To add the activation code to the air conditioning module, do the following:

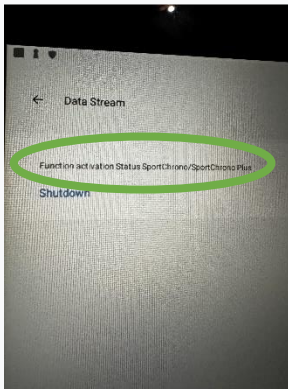
System Selection > Air Conditioning

Read Data Stream

General

Function Activation Status SportChrono/SportChrono Plus





74. Add Steering Wheel Activation Codes (not done or tested)

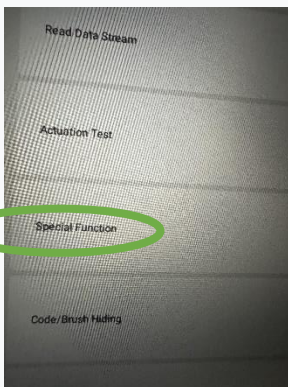
I also located the functions to add activation codes in the X431 for cruise control, multifunction steering wheel and steering wheel heater. Of course, you will need to add the necessary hardware and figure out the coding that is required.

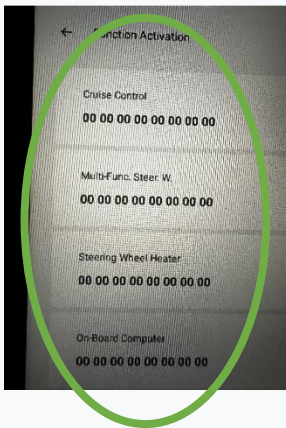
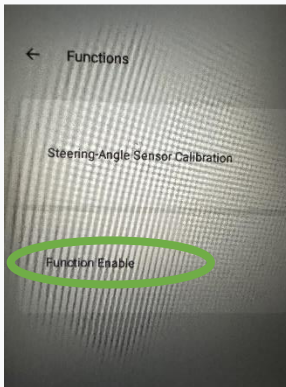
To Do this:

System Selection > Steering Wheel Electronic

Special Function

Function Enable





75. Change/Retrofit Options and Vehicle Information (not done or tested)

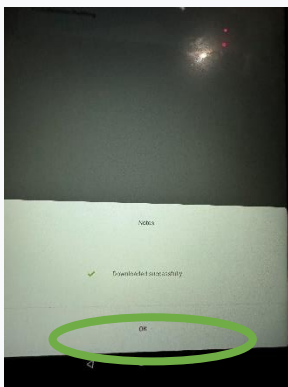
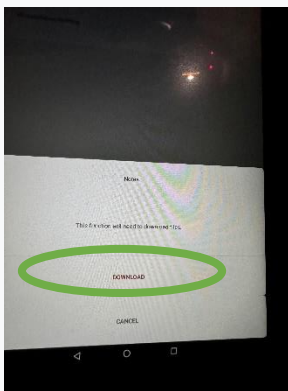
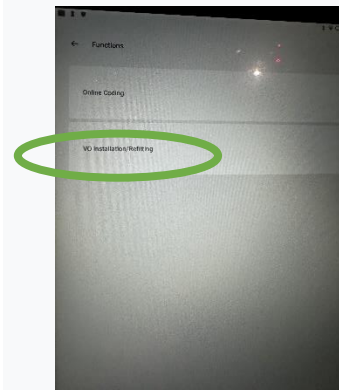
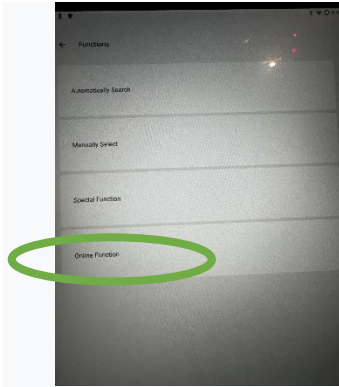
This function seems to allow you to change the various options on your car as well as vehicle information. I have attached a few of them but there are many more. Rubic changed the sound dampening measures from option 170 to 171. On his EU-Spec 2022 BGTS, he said it improved the open time of the PSE valve control dramatically. I check my car and I already have code 171 set on my car (it is the third attachment).

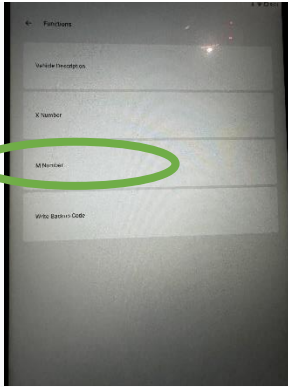
Online Function

VO Installation/Retrofitting

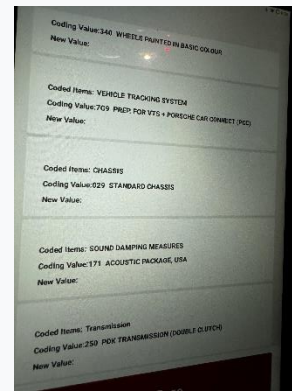
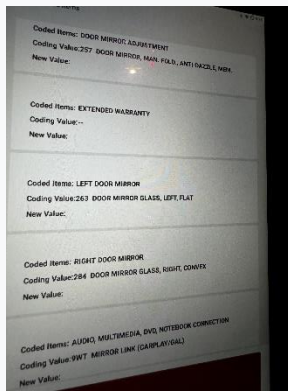
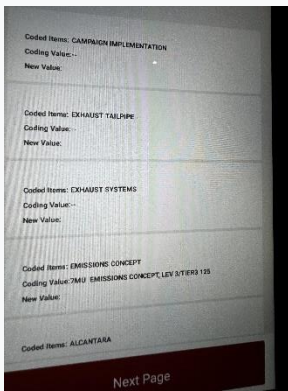
M Number

[Select Choice]

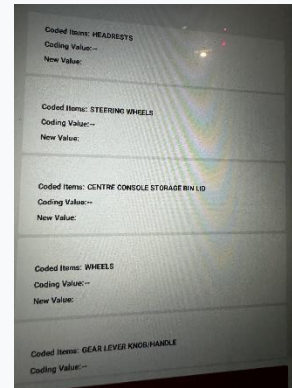
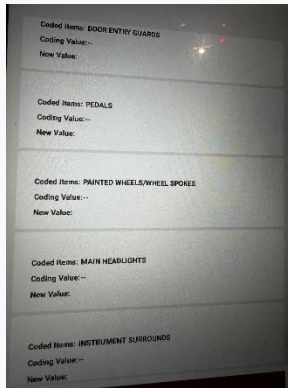
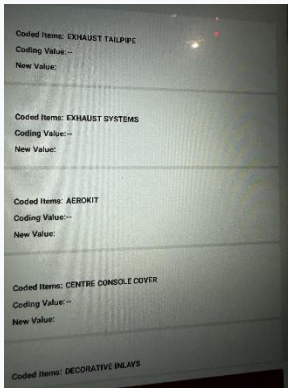




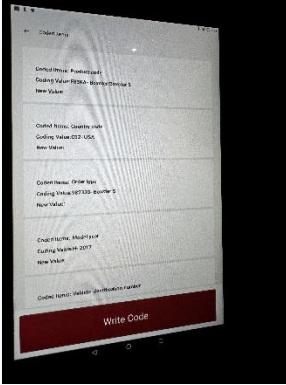
Some of the choices:



If you choose X Number rather than M Number you will have more additional choices, here are some of them:



If you choose Vehicle Description rather than M Number you will have the following choices:



76. Generate DME/Over Rev Report

This is not coding but I figured I would include it anyways.

Sample Data from Report: Range 1: 65535/1611.9h • Range 2: 65535/1611.9h • Range 3: 28777/1611.9h • Range 4: 10040/1611.9h • Range 5: 2102/1127.6h • Range 6: 63/921.3h • Total Hours: 1613.3 (See Sample Report Below).

RPM Ranges for All 718s except GTS 4.0s and Spydere

Range 1 are revs above the limiter 7,200 but below 7,500 RPM

Range 2 are revs above 7,500 but below 7,700 RPM

Range 3 are revs above 7,700 but below 7,900 RPM

Range 4 are revs above 7,900 but below 8,400 RPM

Range 5 are revs above 8,400 but below 9,500 RPM

Range 6 are revs above 9,500 RPM

Cars with over revs in ranges 1, 2 and 3 should be fine. Generally, Range 1 over revs are caused by hitting the rev limiter. Range 2 and 3 are mechanical over revs but within the safety parameters of the engine's internals. It is over revs in ranges 4 through 6 that are of concern and may be catastrophic.

Now according to the report, the most recent range 4 overrevs were 2 operating hours ago. All range 5 revs were over 486 hours ago, and the last range 6 overrevs were 692 hours ago. The range 5 and 6 overrevs happened long enough ago so the threat of damage caused by these is minimal. However, the range 4 and below happened less than 2 hours ago.

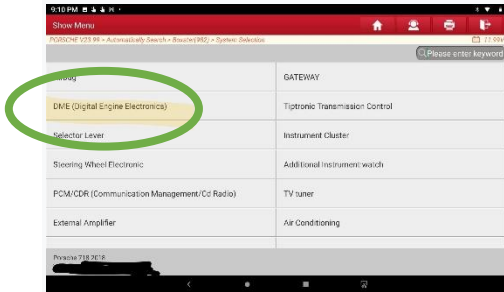
I saw conflicting reports whether Porsche will CPO a car with range 4 and higher over revs. Some reports said that won't. Others said they won't CPO the car if the over revs were within the last 200 hours. In any event, if you are considering purchasing the car, range 4 and higher over revs can be used as a negotiating tool.

Here is a video which explains DME reports: [Switchcars tutorial on Porsche Overrevs - how to read DME reports \(youtube.com\)](#)

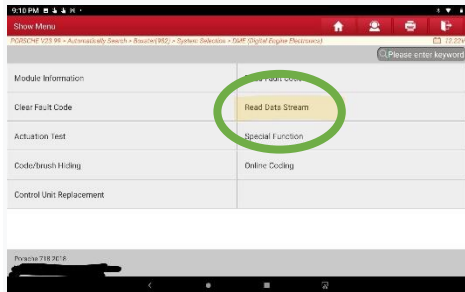
Note: The above RPM ranges are for all 718s other than GTS 4.0. The redline for a MT GTS 4.0 is 7,800 so each of the above RPM range numbers would be increased by 300. Owners of

GTS 4.0s also only see ranges 1, 2 and 3 on their report as opposed to six ranges. They are trying to confirm that this is correct.

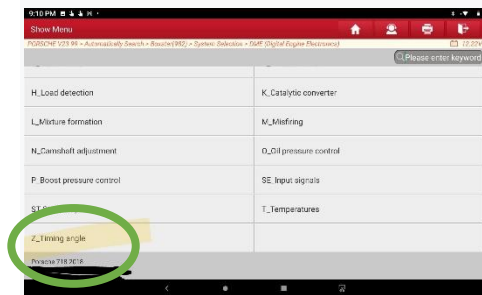
To run an over rev report, follow the instructions above and when you get System Selection, select DME (Digital Engine Electronics)



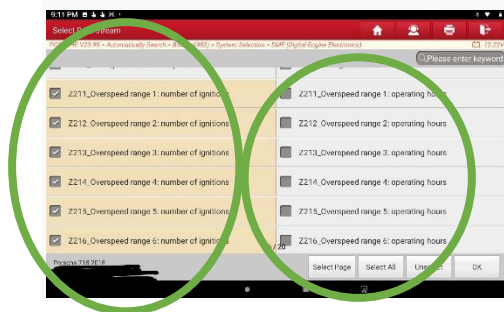
Then Select Read Data Stream



Then Select Z_Timing angle



Then Check the Box for “Total Operating Time of this Control Unit” and the Twelve Boxes Below and then Hit OK



The Report for the above sample data will look something like this

All System Diagnostic Report
The Report is created by THINKDIAG

Vehicle Information

XXXXXXXXXX
Make Porsche
Model 718 Boxster S, GTS
Year 2017
VIN XXXXXXXX
Mileage 144 Mile
Test Time 02/06/2018 16:34:29

Read DataStream:

Name	Value	Unit
A155, total operating time for this control unit	1611.3	h
2211, Over speed range 1: Number of gears	4535	
2211, Over speed range 1: operating hours	1611.9	h
2212, Over speed range 2: Number of gears	4535	
2212, Over speed range 2: operating hours	1611.8	h
2213, Over speed range 3: Number of gears	3877	
2213, Over speed range 3: operating hours	1611.9	h
2214, Over speed range 4: Number of gears	8040	
2214, Over speed range 4: operating hours	1611.9	h
2215, Over speed range 5: Number of gears	2302	
2215, Over speed range 5: operating hours	1127.6	h
2216, Over speed range 6: Number of gears	65	
2216, Over speed range 6: operating hours	921.3	h

77. Websites to Check Out and Follow

- A. 718 Forum: [\(1\) 718 Coding with X431 | Porsche 718 Forum](#)
- B. OBDII Site: [Porsche 718 2018 Coding Review with Launch X431 | OBDII365.com Official Blog](#)
- C. Rennlist Forum: [Coding options and features for 718 - Rennlist - Porsche Discussion Forums](#)
- D. Rennlist Forum: [Coding options and features for 718 - Rennlist - Porsche Discussion Forums](#)
- E. Carpokes Site: [718 Coding using Launch X431 tool - Carpokes](#)
- F. Macan Forum: [Porsche hidden features | Page 23 | Porsche Macan Forum](#)
- G. Thinkdiag 991 Forum: [Thinkdiag Magic - Rennlist - Porsche Discussion Forums](#)

78. Possible Future Features (NOT WORKING/ IN PROCESS AND/OR NOT POSSIBLE)

Please take a look at these items and provide any thoughts or information you have to help me get these working.

- a. Windows are Down after Opening Convertible Top

I would prefer that my windows are completely down after opening the convertible top. If the codes for Close Window after opening top are set to no, the windows do not go completely down. Instead, they remain at the $\frac{3}{4}$ up position that they went to when the top started going down. I am still looking for a solution to this. For now, all three codes for Close Window after opening top are set to yes in my car so the windows go up after putting the top down.

The non-US owner's manual says that the windows are automatically opened and automatically closed again during opening and closing of the top if the operation is continued after reaching its final position. However, according to the Porsche dealer I use, it is not possible to code the windows to go down on a Boxster.

I expected the following codes to change the window position as the top was opening but I did not notice any change to the window position as a result of changing these codes. It is possible that RDW stands for right hand drive. However, I did not notice any change.

Driver's Door: Coding exterior rearview mirror 2 – Power window function = RdW
{Default: NAR}

Passenger's Door: Coding exterior rearview mirror 2 – Power window function = RdW
{Default: NAR}

As a result of changing these codes from not active to active, the windows do not drop at all when I put the top down.

Driver's Door: Coding-Power window 1- Auto. Window/roof system, Hall positioning = Active {Default: Not Active}

Passenger's Door: Coding-Power window 1- Auto. Window/roof system, Hall positioning = Active {Default: Not Active}

I also tried adjusting these codes to see if they would change the window position when the top starts to go down. They did not. The technician at my Porsche dealer tells me it is not possible to code the windows on the Boxster to remain down.

Rear End Electronics: TRUE parameter – Max consecutive windows = 100 {Default: 6}

Rear End Electronics: TRUE parameter – Min consecutive windows = 2 {Default: 2}

Front End Electronics: Comfort function parameter – P_threshold_comfort acknowledgement_window opening = 100 {Default: 6}

Front End Electronics: Comfort function parameter – P_threshold_comfort acknowledgement_sliding/pop-up roof opening = 100 {Default: 0}

Front End Electronics: Comfort function parameter – Temporal limit value till close = ____ {Default: 2.55}

Front End Electronics: Comfort function parameter – Temporal limit value till direction reversal = ____ {Default: 2.55}

Front End Electronics: Comfort function parameter – Temporal limit value without direction reversal = ____ {Default: 2.55}

Driver's Door: Coding – Power window 1 – Auto. Window/roof System, short stroke = Inactive {Default: Active}

Passenger's Door: Coding – Power window 1 – Auto. Window/roof System, short stroke = Inactive {Default: Active}

Driver's Door: Coding – Power window 1 – Auto. Window/roof System, initial short stroke = Inactive {Default: Active}

Passenger's Door: Coding – Power window 1 – Auto. Window/roof System, initial short stroke = Inactive {Default: Active}

If anyone's windows go all of the way down when the top starts to go down please let me know.

Update: I finally gave up on coding my Boxster to get the windows to go down when the top goes down and bought a smart top. See [mods4cars Online Shop](#). I thought having the windows remain down was the only smart top feature that I cared about but now that it is installed, I also really like the fact that I can press and release to open and close the top using the control switch, the key fob and the door handle (door handle requires entry and drive). Here is a list of functions the smart top adds (**I have put in parenthesis what can be done with x431 coding**):

1. option to have the windows all of way down or all of the way up after opening and closing the top using the control switch, the key fob or door handle (with coding, windows stay at the 3/4s up position if you code the windows to not close after the top opens or closes*)
2. open or close the top with touch and release using the control switch in the car (with coding, the top will open with touch and release using the control switch in the car. Touch and release does not work to close the top)
3. open or close the top with touch and release using the key fob (with coding, the top will go up or down with the key fob by pressing and holding - not touch and release)
4. open or close the top with touch and release using the door handle (with coding, the top will close by touching and holding the door handle - not touch and release. The door handle can't be used to open the top)
5. open or close the windows with touch and release using the key fob (with coding, either the windows or the top can be coded to open and close with the key fob, not both)
6. close the windows with touch and release using the door handle when top is closed (I believe this is possible with coding but it is the windows or top, not both)
7. top operation continues after turning car off (I have not figured out how to do this with coding)
8. enable or disable hazard lights flashing when top is going up or down (I have not figured out how to do this with coding)
9. set car to chirp on lock, unlock, both or neither (car chirps on lock by default. With coding this can be turned off. I have not figured out how to set car to chirp on unlock with coding)
10. set whether or not to auto mute radio when car is started (I have not figured out how to auto mute the radio with coding)
11. set coming/leaving home function to use leds or leds and headlights. (I believe the leds on is the same as the factory coding. Item 45 can be used to activate the headlights so I don't believe this function adds anything to a 718)

* I could not find any code that controls window operation using the door handle.

b. Anyone have any idea what the following code does?

I am trying to figure out what this code does. This code is set to no on my car even though I have entry & drive. Anyone have any ideas as to what functions I could try?

Front-end Electronics: Central locking codings - radio reception acknowledgement active = Yes {Default: No}

c. Enable Relock Menu

If you unlock the car, your car will relock automatically after 30 seconds if no door or luggage compartment lid is opened. This coding adds the Relock Menu, which allows you to easily modify the number of seconds before the car will relock if the door or luggage compartment is not reopened. The Relock Menu is accessed by going to Settings > Locking > Relock Time and then changing the length of time.

Note: I have successfully added the Relock Menu but changing the length of time in the Relock Menu is not altering the 30 second default time that the car relocks for the door and the trunk (see item 33 and item 54 if you want to change these directly without the menu).

Instrument Cluster: Board computer menu configuration- Board menu configuration byte 2- Relocking time = 1 {Default: 0}

Instrument Cluster: Board computer menu configuration- Board menu configuration byte 3- Trunk locking time = 1 {Default: 0}



d. Auto Parking Brake Engage

This is on Arne's list of items he is thinking of but he is not sure if it is possible.

e. Re-map Tail Light Function to EU/RoW config

This is on Arne's list of items he is thinking of but he is not sure if it is possible.

f. Enable PDK Coasting Mode while Auto Start/Stop is Off

This is on Arne's list of items he is thinking of but he is not sure if it is possible. Also see item z.

g. Fix Diamond Button Not Working with CarPlay

I am trying to figure out why some early 718s can use the diamond button to skip tracks in CarPlay and some can't. My diamond button does not work to skip tracks while using CarPlay. I believe the issue relates to the steering wheel control module. I have not been able to identify any specific options, firmware or coding to explain this. I have spoken to 718 owners with the same firmware and hardware version and one can skip and the other can't. I have spoken to 718 owners who both have Sport Chrono and one can skip and the other can't. I have spoken to 718 owners who both don't have Sport Chrono and one can skip and the other can't.

If you have this skip track issue, please send a complaint to Porsche asking them to fix it:

<https://contact.porsche.com/usa/dialogue/contactandinformation/contactus/>

I did find a hardware fix for this issue. While the website says it is for a Macan, the company confirmed that it will work with a 718: <https://www.innovativesoftnz.com/product-page/diamond-button-for-skipping-track-on-pre-2022-macan>

With respect to coding, I found the following codes:

Instrument Cluster: Board computer display configuration factory setting- BC configuration byte 18- Steering wheel multifunction button = PCM Next Transmitted/Track {Default: KI BC Side Vehicle}

Instrument Cluster: Board computer display configuration key 1- BC configuration byte 18- Steering wheel multifunction button = PCM Next Transmitted/Track {Default: PCM Next Transmitted/Track}

Instrument Cluster: Board computer display configuration key 2- BC configuration byte 18- Steering wheel multifunction button = PCM Next Transmitted/Track {Default: PCM Next Transmitted/Track}

PCM/CDR: Vehicle_configuration- Joker_button_1 = Left {Default: Not_Detected}

PCM/CDR: Vehicle_configuration- Joker_button_2 = Left {Default: Not_Detected} [I only have one diamond button, so I assume this code doesn't do anything]

The second and third codes (key codes) are the settings for the two car keys for the multifunction button that changes as the diamond button setting is changed. I changed the first steering wheel multifunction button code to PCM Next Transmitted/Track and this had no effect on the ability to skip tracks using CarPlay. However, changing this code to something other than PCM Next Transmitted/Track does not change the function of the diamond button. I believe changing this code could change the effect of the diamond button on a car that does not have the memory system. This may work if the car does not have memory function. I have no idea what KI BC Side Vehicle means.

The three choices for the joker button codes are Not_Detected, Left and Right. Both these codes are set to "Not_Detected" on my car. However, Treemagnet has a 2022 718 and is able to skip to the next track while using CarPlay. Unfortunately, when he checked these codes (both when the diamond button was set to skip to next track and when the diamond button was set to something else), these codes were set to "Not_Detected". Even so, I tried changing the joker button codes to left and they did not fix this issue.

h. Lock Car using Porsche Connect

I have been trying to figure out what the following codes on my car are for and believe they relate to Porsche Connect:

Front-end Electronics: Further codings- Central locking codings – Unlock via MOD

Front-end Electronics: Coding value- Comfort functions - Comfort functions via door lock {Default: No}

Both of these codes are set to no on my car. However, the code for Lock via MOD is set to yes.

I have Porsche Connect but never activated it on my car.

I was trying to think of what Unlock via Mod could be for and the only thing that I can think of is that Porsche Connect can lock the car but not unlock the car (at least in the US). I have a pdf of a Connect manual that is from overseas and I believe it says that connect can both lock and unlock the car. Callen4827 indicated that he has Porsche Connect and the code for Comfort functions via door lock is set to yes on his car.

Callen4827 also sent me a picture of the app and it does not look like there is a function in the app to unlock the car. Is that correct? Is it possible that changing the code for unlock via mod to yes allows connect to unlock the car. Or does the US connect app prevent this?

i. Add Indicator to MFD or Console Button that Spoiler has been deployed or retracted

This is on Arne's list of items he is thinking of but he is not sure if it is possible. I activated the codes below but this did not trigger notifications in the MFD that the spoiler has raised or retracted or is raising or is retracting when I reached the proper speeds. I question whether this is even possible. The only reference to a spoiler indicator in a Porsche I could find is in the Taycan (see picture below). I do not see any place in the 718 MFD for a spoiler notification. Although I guess it is possible that a warning message could be triggered, I would think a warning message would take over the MFD. If anyone has any further thoughts on this, let me know.

Rear-End Electronics: Spoiler coding – Spoiler coding Spoiler info button (instr. cluster) active = Yes {Default: No}

Rear-End Electronics: Spoiler coding – Spoiler coding Spoiler info Trip (instr. cluster) active = Yes {Default: No}

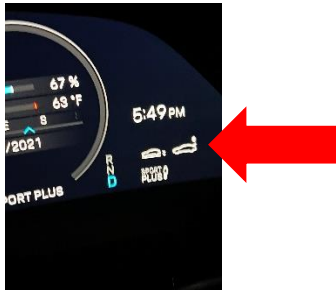
Instrument Cluster: Warning configuration- BCM_rear warnings-spoiler are extended = 1 {Default: 0} [I am not sure what this code does. It is possible that this displays a message that the spoiler is extended, but I could not get it to work]

Instrument Cluster: Warning configuration- BCM_rear warnings-spoiler are retracted = 1 {Default: 0} [I am not sure what this code does. It is possible that this displays a message that the spoiler is retracted, but I could not get it to work]

Instrument Cluster: Warning configuration- BCM_rear warnings-spoiler extending = 1 {Default: 0} [I am not sure what this code does. It is possible that this displays a message that the spoiler is extending, but I could not get it to work]

Instrument Cluster: Warning configuration- BCM_rear warnings-spoiler retracting = 1 {Default: 0} [I am not sure what this code does. It is possible that this displays a message that the spoiler is retracting, but I could not get it to work]

Taycan Spoiler indicator



j. Add Voice Control Menu

I was able to get the voice control choice to display in the MFD (see first picture) but I can't figure out what this menu does. Also, there is a voice control menu in the PCM (see second picture) but it is still greyed out even after changing these codes. Is the voice control menu in the PCM active in your car? If it is, please send me a picture of what the menu allows to be changed. To check, hit Home > Set > System.

Instrument Cluster: Board computer menu configuration-Board computer menu configuration byte 1- Voice control = 1 {Default: 0}

Instrument Cluster: Board computer display configuration factory setting – BC configuration byte 4-PCM displays voice control info = Open {Default: Shutdown}

Instrument Cluster: Board computer display configuration key 1 – BC configuration byte 4 - PCM displays - voice control info = 1 {Default: 0}

Instrument Cluster: Board computer display configuration key 2 – BC configuration byte 4 - PCM displays - voice control info = 1 {Default: 0}





k. Enable Global Open Close of Windows

The results of a google search of global windows open close provided search results that relate to opening the windows with the key fob (see item 14) which does not require the following codes to be changed. I also checked to see if this coding would allow you to hit the window switch on the driver's side to open the windows on both the driver's side and the passenger's side. It did not. A 991 owner told me that this code is set to not active on his car even though his windows stay down after opening his top. I tested this code to see if it changed the position of the windows after opening the top but it did not. Anyone have any other ideas what these codes do?

Driver's Door: Coding-Power window 2- Power Windows 2, Global Open Close = Active {Default: Not Active}

Passenger's Door: Coding-Power window 2- Power Windows 2, Global Open Close = Active {Default: Not Active}

l. Add Audio Display Availability Menu to MFD

This adds the audio display availability menu to the MFD that selects whether the next track skip goes to the next station or the next radio station in the preset list. See pictures below. The menu appears in the MFD but it does not change the selection between station list and the preset list. Note that the PCM can be used to switch between the station list and the preset list.

Instrument Cluster: Board computer menu configuration 2-Board computer menu configuration 2 byte 4- Audio display availability = 1 {Default: 0}



m. Add Race Track Mode to MFD

This coding adds the GT4 Racetrack Mode to the TPMS Menu. However, while the menu is there, it can't be selected. Either it is not possible to add this to a non-GT4 (at least my 2017

Boxster) or there may still be something missing. Also, I did not have the third code on my car. Treemagnet also checked his 2022 GTS and his car also did not have this code. This code should be located below the Lane Change Assistant code. See the picture of the PIWIS which contains this code from another car (a GT4?) and the picture from my X431 on my car.

Instrument Cluster: Vehicle Variant = GT4 {Default: your vehicle (mine is a Boxster S)}
 [Without this change, the menu did not even appear]

Instrument Cluster: Board computer menu configuration-Board menu configuration - byte 7- TPM circuit=1 {Default: 0}

Instrument Cluster: Board computer menu configuration 2 -Board menu configuration 2-byte 1- RDK Clubsport = 1 {Default: 0} [I did not have this code on my car. This code should be located below the Lane Change Assistant code. See the picture of the PIWIS which contains this code and the picture from an X431]

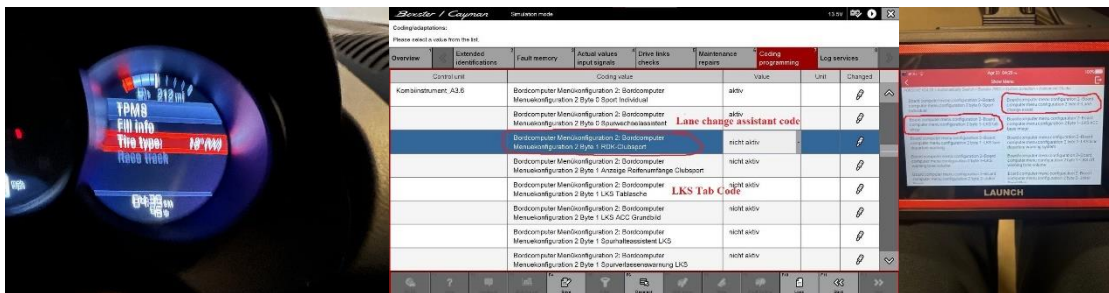
Instrument Cluster: Development interfaces- Default dumping STD_0-RDK (tire pressure monitoring system) = 1 {Default: 0} [I did have this code on my car]

Instrument Cluster: Warning configuration- TPM warnings- TPM circuit new nominal pressure (337) = 1 {Default: 0}

Instrument Cluster: TPMS Coding-Tire type display-Comfort pressure menu display item = Yes {Default: Yes}

Instrument Cluster: TPMS Coding-driver selection-driver selection comfort pressure = Comfort Pressure {Default: Comfort Pressure}

Air Conditioning: Coding value – Coding value for GT vehicle = Yes {Default: No} [I don't know what this code does]



n. Add PCM Function Map Menu

I have no idea what this coding does. I turned it on and could not find anything.

Instrument Cluster: Board computer menu configuration 2-Board menu configuration 2 byte 4- PCM function MAP = 1 {Default: 0}

o. Activate Needle Sweeping in Instrument Cluster

This can be coded on many Audis and VWs. It activates needle sweep which is the gauge needles will sweep through their full range automatically when you start the engine. The original purpose of this coding was to test the needles, but now it is more of a visual mode to make the car feel a little more sporty. I have not been able to locate any coding on my 718 which allows this. People on the Macan forum have also looked and have not been able to locate any coding to enable this on a Macan. I did find a function on my X431 to run a needle sweep to test the needles but this does not enable this function each time the car is started.

p. Change Time that Power Sockets Remain On after Engine is Turned Off

I am trying to find the coding to change the time that power is given to the cigarette lighter and USB ports after the car is turned off. I want to change this so that the center console usb continues to run only for 1 minute after the car is turned off. The reason is that I have a Carlinkit and it will continue to connect my Iphone to Carplay even though I am no longer in the car.

I found the codes below that looked promising based on the names of the code. However, I changed these codes as set forth below and they did not change the amount of time that either the center console USB or the cigarette lighter plugs continued to operate after the car was turned off.

Front-end Electronics: Positioning elements parameter – Socket run-on time after terminal 15 off = 1 {Default: 20}

Front-end Electronics: Terminal control parameter – T-terminal15_off = 60000 {Default: 1800000}

The input screen for the first code is in minutes and the second code is in milliseconds which equates to 30 minutes (which is the amount of time that the owner's manual says the 12 volt sockets stay active). In testing the center console usb, my carlinkit stays on for about 3 ½ minutes (although when I tested it months ago it was about 6 minutes). That is different from the 30 minute figure that the owners manual says for the 12 volt socket. It appears that the center console usb stays active for less time than the 12 volt socket. However, I could not find any code that equates to the time that the center console usb stayed active.

q. DDL Switch Over to Side Marker Light when Indicating

I expected this code to change the operation of the daytime driving lights when the turn signal was on but I did not notice any change.

Front-end Electronics: Coding value – Exterior lighting – Exterior lighting: DDL switch over to side marker light when indicating = Yes {Default: No}

r. SML Flashes in Sync

According to the Macan Coding Spreadsheet, this coding controls whether the side markers blink when the turn signal is on. On my 2017 718, this code was set to yes so that the side markers blink when the turn signal is activated. I tried changing this code to no to see if this could cause the side markers to not blink when the turn signal is activated but I did not notice any change.

Front end electronics: Coding value- Exterior lighting – Exterior lighting - SML Flashes in Sync. = No {Default: Yes}

s. Allow Video in Motion (VIM) with X431(not with MIB)

I could change developer test mode code shown below to Activated. I also tried to change the other two codes but received errors when trying to change the codes. I tried to change the second code to 199 and the third code to 1. The input screen for the third code says permissible values are any value between 0 and 65535. It is possible that the problem is figuring out what the pin value should be. It is also possible that this requires additional coding to change the country configuration. MIB is the way to enable VIM. It may also enable other items that you may want as well. Link to MIB: [Link to MIB: Porsche - MIB Solution](#)

PCM: Developer test mode – State= Activated {Not_Activated}

PCM/CDR: Test mode_video_speed_cutoff-speed_limit = 199 {Default: 0}

PCM/CDR: Test mode_video_speed_cutoff-pin = ??? {Default: 0} [possible values are 0 to 65535]

t. Car Chirping When Top Goes Up and/or Down

I expected this coding to result in the car chirping as the top went up and/or down. However, this coding did not result in the car chirping.

Front-end Electronics: Further codings – Central locking codings – Acoustics feedback when soft top in intermediate position = Yes {Default: No}

u. Locking with Terminal 15

I was curious what this code did and expected this code to disable the locking of the car when I reached a certain speed but changing this code to no did not change the fact that the car still locked when I reached set speed. See item 29 to change the speed. I assume locking could be disabled by setting the speed of the code in item 29 to a very high speed.

Front end electronics: Coding value – General – General -locking with Terminal 15 = No {Default: Yes}

v. Activate Sport Plus on a Non-Sport Plus 718

Santirx has indicated that on an early Macan Sport Plus is active even on non-Sport Plus Macans and the diamond/joker button can be used to switch to Sport Plus mode. [THIS IS HUGE!!! Adding Sport Plus and Launch Control to my Porsche Macan for less than \\$200 \(youtube.com\)](#). Joserpaq was able to get sport plus to work on his 991.1 without an activation code by remapping the PASM button (second button on the left). See [Thinkdiag Magic - Page 43 - Rennlist - Porsche Discussion Forums](#). If we did figure out how to activate it, we would need to figure out how to switch to sport plus code. It is unlikely that the diamond button could be used to activate Sports Plus since it does not work on 718s with factory Sport Chrono. I also tried remapping the Sport button (first button on the left) and the PSM button (second button on the left) to Sports Plus but neither switched my car into Sport Plus mode. Treemagnet also tried remapping the PASM button (first button on the left) and the PSM button (second button on the left) to Sports Plus on his GTS with factory sport chrono. He received an error when he tried to switch the PASM button. He was able to switch the PSM button to sport plus but the button did not work to switch his car into Sport Plus mode. It appears that even though 718s still have the coding for the console buttons, it will not work to activate sport plus.

Instrument Cluster: Board computer display configuration key 2 – BC configuration byte 19 – BC-role chrono = Open {Default: Shutdown}

Instrument Cluster: Board computer display configuration factory setting – BC configuration byte 19 – BC-role Chrono = Open {Default: Shutdown}

Instrument Cluster: Board computer menu configuration – Board computer menu configuration - byte 7 – Chrono = 1 {Default: 0}

Instrument Cluster: Further codings -Further codings byte 3 – Additional display segment with “sport plus” = Yes {Default: No}

Instrument Cluster: Board computer display configuration key 2 – BC configuration byte 12 – SPORT PLUS = Open {Default: Shutdown}

Instrument Cluster: Board computer display configuration factory setting – BC configuration byte 12 – SPORT PLUS = Open {Default: Shutdown}

Instrument Cluster: Board computer menu configuration 2 – Board computer menu configuration 2 byte 3 – Individual Sport Plus = 1 {Default: 0}

Instrument Cluster: Board computer menu configuration 2 – Board computer menu configuration 2 byte 0 – Sport Individual = 1 {Default: 0}

Instrument Cluster: development interfaces - Default dumping STD_1- CHRONO = 1 {Default: 0} [NOT SURE ABOUT THIS ONE]

Electronic Steering Wheel: Coding value – Coding byte 1 – Launch Control display =
Yes {Default: No}

Air Conditioning: BKE key field key assignment – Left button 2 = SPORT Plus {Default:
PSM Sport (PSM Off without Delay)}

w. Show Accurate Distance Correction Factor

Just like the temperature gauge, these codes show a different input value than output value. It appears that there is something else that the 718 is not showing us the correct values. The question is what do these codes control?

Instrument Cluster: Coded Items: Distance correction characteristic - input characteristic
- x1 = 0

Instrument Cluster: Coded Items: Distance correction characteristic - output characteristic
- y1 = 0

Instrument Cluster: Coded Items: Distance correction characteristic - input characteristic
- x2 = 20

Instrument Cluster: Coded Items: Distance correction characteristic - output characteristic
- y2 = 22

Instrument Cluster: Coded Items: Distance correction characteristic - input characteristic
- x3 = 50

Instrument Cluster: Coded Items: Distance correction characteristic - output characteristic
- y3 = 52

Instrument Cluster: Coded Items: Distance correction characteristic - input characteristic
- x4 = 100

Instrument Cluster: Coded Items: Distance correction characteristic - output characteristic
- y4 = 103

Instrument Cluster: Coded Items: Distance correction characteristic - input characteristic
- x5 = 150

Instrument Cluster: Coded Items: Distance correction characteristic - output characteristic
- y5 = 155

Instrument Cluster: Coded Items: Distance correction characteristic - input characteristic
- x6 = 200

Instrument Cluster: Coded Items: Distance correction characteristic - output characteristic
- y6 = 206

Instrument Cluster: Coded Items: Distance correction characteristic - input characteristic
- x7 = 250

Instrument Cluster: Coded Items: Distance correction characteristic - output characteristic
- y7 = 256

Instrument Cluster: Coded Items: Distance correction characteristic - input characteristic
- x8 = 340

Instrument Cluster: Coded Items: Distance correction characteristic - output characteristic
- y8 = 347

x. All Warnings Acknowledgeable

You would think that this code would change what happens to a warning when acknowledged. However, I did not notice any change.

```
Instrument Cluster: Coding value – Coding byte 3 – All warnings acknowledgeable =
Yes {Default: No}
```

y. Car Play Limits

The code below suggests that certain functions in CarPlay are limited while driving. I have not yet identified what these limits are.

```
PCM: Vehicle configuration: Bittfield (5) - unblock functions while piloted driving =
unblocked {Default: blocked}
```

z. Add Sport VM and VM A Off Menus

This coding adds the Sport Settings Menu and the Start Stop Off Settings Menu to the MFD (see below). While the menus appear and the settings can be changed, I did not notice any changes as a result of changing these settings.

```
Instrument Cluster: Board computer menu configuration – Board computer menu
configuration byte 6 – consumption measures – VM A Off = 1 {Default = 0}
```

```
Instrument Cluster: Board computer menu configuration – Board computer menu
configuration byte 6 – consumption measures – VM A Off sailing = 1 {Default = 0}
```

```
Instrument Cluster: Board computer menu configuration – Board computer menu
configuration byte 6 – consumption measures – VM A off Start/Stop = 1 {Default = 0}
```

```
Instrument Cluster: Board computer menu configuration – Board computer menu
configuration byte 6 – consumption measures – VM A Off ECO shift points = 1 {Default
= 0}
```

```
Instrument Cluster: Board computer display configuration key 2 – consumption measures
– VM A Off sailing = 1 {Default = PASSIVE}
```

```
Instrument Cluster: Board computer display configuration key 2 – consumption measures
– VM A off Start/Stop = 1 {Default = PASSIVE}
```

```
Instrument Cluster: Board computer display configuration key 2 – consumption measures
– VM A off ECO shift points = 1 {Default = PASSIVE}
```

```
Instrument Cluster: Board computer display configuration key 2 – BC configuration byte
12 – A_off = Open {Default = Shutdown}
```

```
Instrument Cluster: Board computer menu configuration – Board computer menu
configuration byte 6 – consumption measures – VM SPORT = 1 {Default = 0}
```

```
Instrument Cluster: Board computer menu configuration – Board computer menu
configuration byte 6 – consumption measures – VM SPORT ECO shift points = 1
{Default = 0}
```

Instrument Cluster: Board computer menu configuration – Board computer menu configuration byte 6 – consumption measures – VM SPORT sailing = 1 {Default = 0}

Instrument Cluster: Board computer menu configuration – Board computer menu configuration byte 6 – consumption measures – VM SPORT Start-Stop = 1 {Default = 0}

Instrument Cluster: Board computer display configuration key 2 – consumption measures – VM SPORT Start-Stop = 1 {Default = PASSIVE}

Instrument Cluster: Board computer display configuration key 2 – consumption measures – VM SPORT ECO shift points = 1 {Default = PASSIVE}

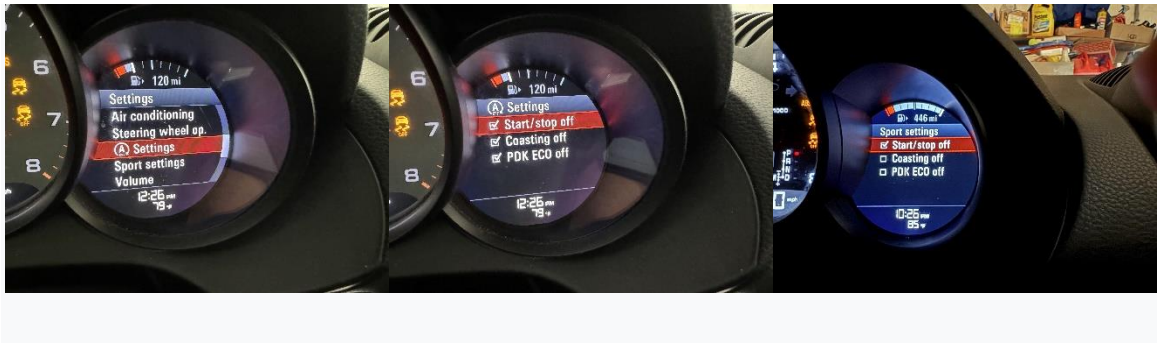
Instrument Cluster: Board computer display configuration factory setting – VM SPORT sailing = 1 {Default = PASSIVE}

Instrument Cluster: Board computer display configuration factory setting – VM SPORT ECO shift points = 1 {Default = PASSIVE}

Instrument Cluster: Board computer display configuration factory setting – VM SPORT Start-Stop = 1 {Default = PASSIVE}

Instrument Cluster: Warning configuration – BKE warnings – Start/stop in sport mode impossible (370) = 0 {Default = 1}

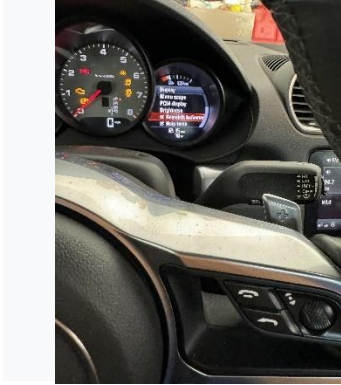
Note: I only listed the key 2 codes. The key 1 codes would also need to be changed in order for this to work with key 1.



aa. Add Shift Recommendation Menu

This coding adds the shift recommendation menu to the MFD (see below). This coding may add a menu that allows you to enable and disable the arrow indicator for the PDK (if in manual mode) and the MT6 in the MFD. However, my car has PDK and I could not get the arrow indicator to display on my car with or without this coding.

Instrument Cluster: Board computer menu configuration – Board computer menu configuration byte 3 – Shift recommendation = 1 {Default = 0}



Version Date: 9/1/24