

Enable_side_mirrors_folding:

1. Select "Door Elect, Driver"
2. Click on: "Security Access - 16"
3. Insert the security code: 04354 and hit "Do it!"
4. Once you are again to the previous menu, click on "Adaptation - 10"
5. Here select the following channel: (9)-System_Parameter_0-System Parameter Byte8
6. Once selected you will notice the old value which is 90. Here you have to options for the new value before you click "Do it!":
 - a. 95 (which I've chosen) - will automatically fold your mirrors while holding the lock button and will unfold them when you turn on the engine.
 - b. 99 - will automatically fold your mirrors while holding the lock button and will unfold them when you open the driver door.

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Headlight calibration:

Vehicle must be parked on level ground and "settled" on its suspension

- Parking brake should be OFF
- Ignition should be in the "On" position
- Headlamps should be "Off"

Perform the Basic Settings by selecting the following in this order:

[Basic headlamp setting]

[Acknowledge basic setting]

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Calibrate the compass:

Select Control Module>C1 - Position Sensing>Output Tests - 03

Test will put into calibrate mode

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Entering Extendend Setup Mode for RNS 510:

Using VCDS/VAGCOM open the 37 - Navigation and adaption channel 50, enter 1 into the value field and save.

Power on unit and hold the setup button for around 15 seconds when the Volkswagen logo appears on the screen.

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Trunk Electronics:

Press and hold the button on open trunk to aling level of open trunk door. Once done there will be a blink for side lights.

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Enable Voice commands:

1. SELECT
2. 37 NAVIGATION
3. CODING - 07
4. LONG CODING HELPER
5. Highlight BYTE 7
6. Remove check from BIT 1
7. ESC out from this screen

8. DO IT!

9. Exit out of VCDS software

After you are through, I would recommend that you re-boot the Nav unit:
Press and hold these three button at the top of the Nav unit until it reboots.
Should take about 15 seconds: < > and *star button (far right of DVD slot)

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Headlight Washer activation :

09 - Centr. Elect

Adaption and from the list select

HEadlight Washer Activation Delay

Default value 4.

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Change of the background colour of central MFA:

17 Instruments > Adaptation

Choose "Display Depiction"

Option 1: Stock

Option 2: Carbon-Fibre Style

Option 3: Gold dots Style

Option 4: not Available

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Re-Fueling to empty:

17 Instruments > Adaption

From the menu Select the channel with the label "Volume to be replenished"

Change the stored value from "no" to "yes" and then select "do it" to save the setting and exit VCDS

You should now have an extra option in the MFD settings called refuel A value will then be displayed once 10 liters of fuel has been consumed from a full tank that will be required to safely refuel the tank to full again.

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Lighting: Comfort Turn Signal Count 1-5

Description: When you tap your blinker it will auto blink 3 times by default, this changes the count

Go to Adaptation in Central Electronics Long Coding Helper

Choose "Comfort Turn Signals (Cycles)"

Set a new value up to 5 for the number of blinks you want

NOTE: After you set the value, you must go into your MFI on your car and reset it to factory settings to load the new value

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Driver Seat Heater Memory

Description: When you turn the car on, the drivers seat ONLY will resume it's last setting (Off, 1, 2, 3) automatically

Go to Adaptation in Auto HVAC

Choose "Storage of driver seat heater level"

Set new value to "On"

Passenger Seat Heater Memory (2012 Only)

Description: When you turn the car on, the passenger will resume it's last setting (Off, 1, 2, 3) automatically

Go to Adaptation in Auto HVAC

Choose "Storage of passenger seat heater level" Set new value to "On"

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Display correction of fuel gauge

"Display correction of fuel gauge" found in Adaptation, from the instrument cluster. By default, this was set to 0.0*. The Max adaptation values are +/- 10. The total range of fuel gauge movement was near 1/8th tank.

Increasing the value to 10*, makes the needle raise by approx. 1/16th tank.

Lowering the value to -10*, makes the needle lower by approx. 1/16th tank.

I dug into this and believe that the sender in the tank has a normal operation range of 700 -> 2700.

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Instruments: Gauge Cluster Staging a.k.a Gauge Sweep

Description: When you turn your ignition to on, the gauges will "Sweep" to max, and then fall back to zero

Note: Does not work on G clusters, you can see which one you have in an autoscan under Instruments. It's the last letter of the part no.

Go to Adaptation in Instruments

Choose "Staging"

Set new value to "active"

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Seatbelt chimes

You can have that pleasant chime by going to

17-Instruments->Adaptation->Seat Belt Warning - Version 3

And you are not warned when you go over 74mph!

so you don't have to change everything else back to US measurements...

Seat Belt Chime (Saudie)

17-Instruments

Adaptation

Seat Belt Warning

Version 3

Instruments: Disable Seatbelt Warning

Description: Disable seatbelt warning chime and light

Uncheck bit 1 of byte 1 in Instruments Long Coding Helper

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Mirror and Rear Window Heaters: Extend the Active Time

Description: Mirror and Rear window heaters run for 10 minutes by default, you can extend that as long as you want

Go to Adaptation in Central Electronics Long Coding Helper

Choose "Rear Window & Outside MIRROR Heater Activation Time"

Choose a new value using this formula: $\text{New Value} \times 40 = \text{Seconds Active}$
Example: 23 is about 15 min since $23 \times 40 = 920 \text{ seconds} = 15.3 \text{ minutes}$

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Auto Closing Sunroof & Windows via Rain Light Sensor

Requires the (RLS) light sensor. RLS may not be present on some 2013 models. If there is no drop down menu in Coding then you likely have no RLS. This will require coding the master [09] - Central Electronics module and the Sub-System RLS.

[09] - Central Electronics module using Coding, Long Coding Helper

Byte 4 Comfort Operation Windows/Sunroof via Rain Sensor must be enabled

Byte 4 Comfort Operation Windows/Sunroof via Rain Sensor (Rain Closing) active must be enabled

Sub-System RLS (from the drop-down menu) using Coding, Long Coding Helper

Rain Closing active must be enabled

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Fuel Consumption Adaption

I've done some testing on a '10 Gti. The Instrument cluster adaptation results are: "Display correction of consumptions and operating range" found in Adaptation, from the instrument cluster. The value should be 100% from the factory.

Increasing the adaptation value lowered the Mpg data displayed on the MFA. So, If you want to lower the average MPG displayed on the dash, try increasing the adaptation value to 102% -> 105%.

If you wanted to Increase the Mpg on the display, lower the Adaptation value to 95% -> 98%.

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Setup service reminder

channel 43 in Instrument Cluster (upper limit for distance to next inspection step size is 1000 km,

by default 15000km = 9400 miles)

channel 44 is upper limit for time to next inspection in days, step size is 1 day by default 365

channel 40 is distance traveled since last inspection, step in 100km (ex. 5200 km= 052)

channel 41 is time elapsed since the last inspection, step 1 day

First, the Channels 43 and 44 must be adapted, because the values of channels 40 and 41 may not be greater than the upper limits of channels 43 and 44.

Adaptation must be done using kilometers (1 mile equates to approx. 1.609 km)

To reset service interval, go to Instrument Cluster Adaptation channel 2 enter 0 and save.

Service Reminder will display on your cluster (in place of the current odometer display, just for a couple seconds) after certain mileage (usually 2000 miles or 3200km or time set in channel 43 and 44, as Service in and it will countdown every 100 miles(km), when you turn your ignition ON.

Adjusting Service Intervals

Description: Do you change your oil more often than every 10k miles and would prefer it tell you at 5k miles? That's what this is for.

For Days:

Go to Adaptation in the Instruments module
Choose "SIA - maximum value of time to service"
Under New value, enter your time as in days. '

For Distance:

Go to Adaptation in the Instruments module
Choose "SIA - maximum value of distance to service"
Under New value, enter the new distance.

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Lighting: Fogs as DRLs

Description: Use your fog lights instead of your low beams for DRLs
For Xenon equipped vehicles or Halogen equipped using the main low/dipped beam:
Check bit 1 of byte 14 in Central Electronics Long Coding Helper
Un-check bit 2 of byte 11 in Central Electronics Long Coding Helper (or leave
checked to run BOTH fogs and low beams)

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Lighting: Fogs with High Beams

Description: Your fog lights will become independent of your high beams, and will
not go out when you turn on your high beams
Check bit 2 of byte 14 in Central Electronics Long Coding Helper

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Lighting: Fogs as Cornering Lights

Description: if your fog lights are not on, but your headlights are, it will
illuminate the fog in the direction you are turning at low speeds)
Check bit 7 of byte 14 in Central Electronics Long Coding Helper

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Lighting: Disable DRL with Turn Signal (2012 Only)

Description: When you activate your blinker, the LED DRL next to it will turn off
until the blinker is turned off.

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Lighting: Coming Home Lights

Description: Coming home activation requires you to pull the high beam stalk back
briefly after shutting the vehicle off and before exiting. This will turn on your
lights for a set period of time after you get out of the car. After this is enabled,
it can be turned on/off in the MFA, and you can adjust the time period. Leaving home
function requires an auto switch and light sensor.

Check bit 2 of byte 12 in Central Electronics Long Coding Helper

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Wipers: Enable Tear Drop Wiping on Front Wiper

Description: This will wipe your front window one extra time, after a pause, when
you use your front wiper squirter

Go to the Central Electronics module, and click on "Coding"

In the coding window, there is a pull down menu, choose the selection that says

"Wischer" in it

After that, click on the Long Coding Helper

Check bit 3 of Byte 1 (Tear Wiping Active)

Wipers: Enable Tear Drop Wiping on Rear Wiper

Description: This will wipe your rear window one extra time, after a pause, when you use your rear wiper squirter

Check bit 4 of byte 21 in Central Electronics Long Coding Helper

Wipers: Disable Rear Wiper with Reverse Gear

Description: If your front wipers are running and you put it in reverse, the rear wiper runs by default. This disables that feature.

Uncheck bit 6 of byte 21 in Central Electronics Long Coding Helper

Wipers: Disable Rear Wiper

Description: Completely disables your rear wiper

Uncheck bit 0 of byte 21 in Central Electronics Long Coding Helper

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