Ross-Tech VCDS and your B6 / 3C Passat

(version 0.5)

Disclaimer: All testing performed on a 2009 Passat Wagon with new style instrument cluster. Your setup may vary. Please remember to perform an auto-scan and save it prior to making any changes in case you screw something up and need to go back to you original settings. For this reason, do not copy the "long code" shown in the pictures exactly

This guide written by Angelico, not affiliated with Ross-Tech or VW.

I put this together since I was having difficulty finding all of the information on the forums or through the Ross-Tech wiki without an unreal amount of searching and trial & error. Hopefully, it will make your life easier.

I'm sure that I have not covered everything here, so if you have something that you would like to add please message me on vwvortex or passatworld.

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VCDS setup and Other Notes

Buy the cable and download the software, see instructions on Ross-Tech website.

This Guide assumes that you have a basic understanding of how VCDS works, Ross-Tech's manual can be found at: http://www.ross-tech.com/vag-com/tour/main_screen.html

I've tried to explain each of the settings so you don't have to ask, "what does this do?" If it's painfully obvious or I don't know, then there may be no explanation.

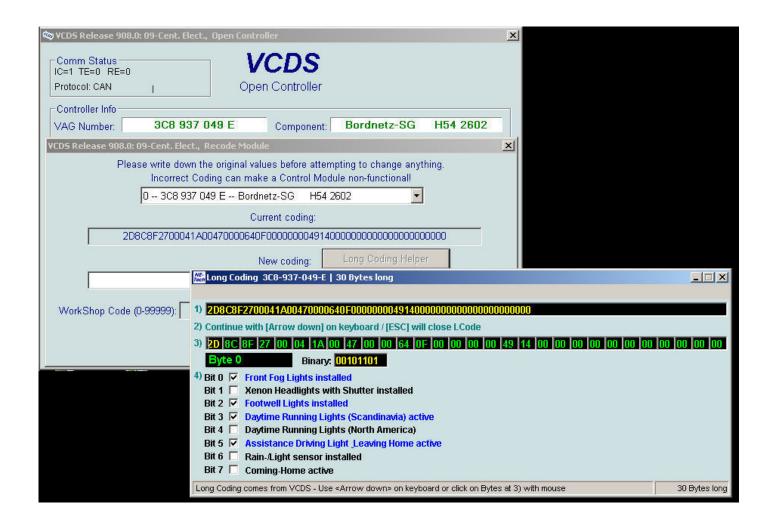
Additional personal commentary may be in [square] brackets.

Other guides can be found at:

http://forums.vwvortex.com/zerothread?id=2856309

http://forums.vwvortex.com/zerothread?id=4430572

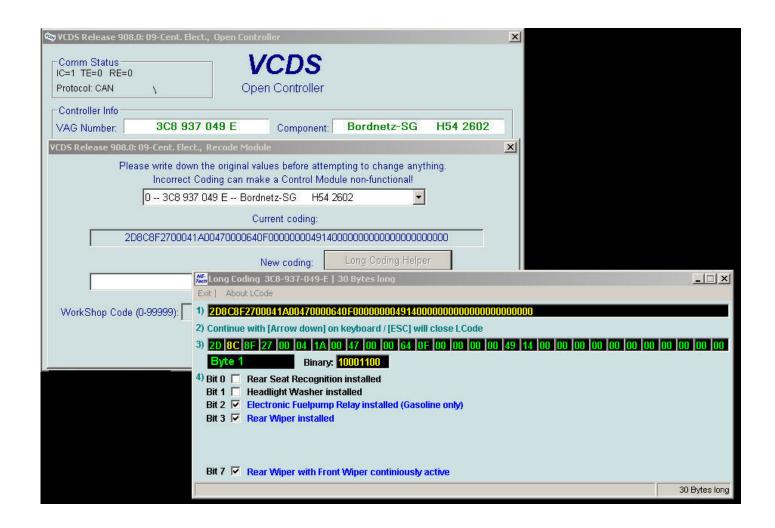
09-Cent. Elect



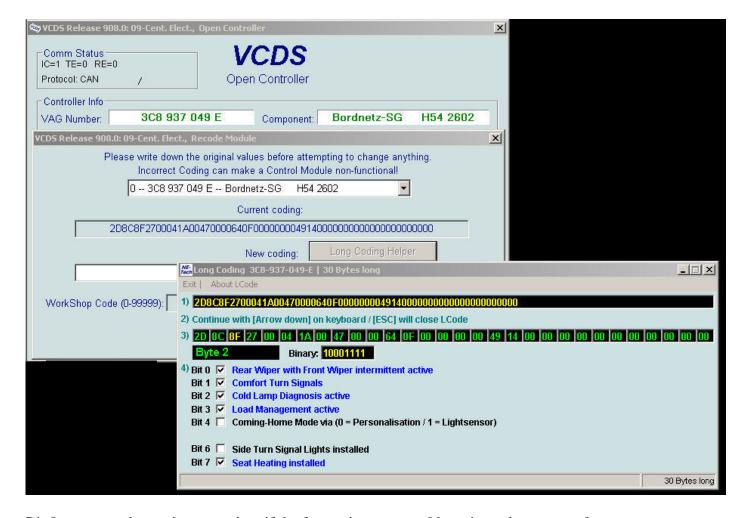
- Bit 1 check if installing aftermarket HID
- Bit 2 check if adding footwell lights with wire to factory location (most NA cars have these already installed but you can also add rear footwell lights see link for more info)

http://forums.vwvortex.com/zerothread?id=2792313

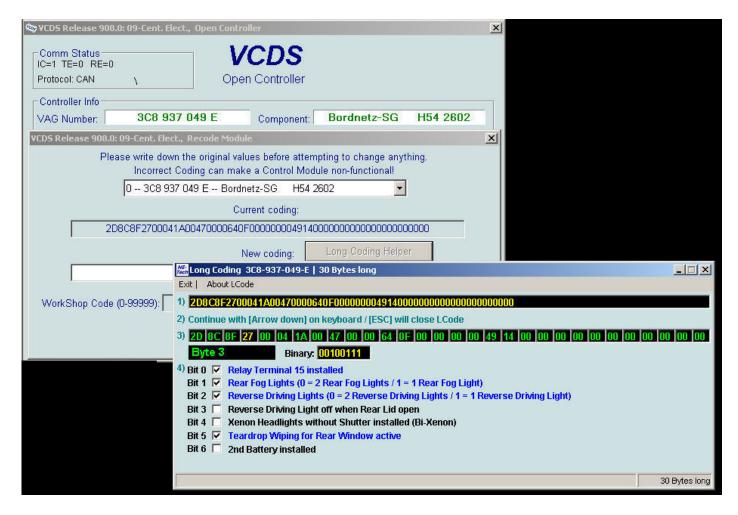
- Bit 3 all parking lights lit
- Bit 4 default for NA, low beam at 85% (can also choose to use fog lights in Byte 17)
- Bit 5 activates low beam and parking lights for set time in MFD
- Bit 6 checked if your car has the rain / light sensor (needed for auto closing of windows / sunroof if it rains)
- Bit 7 CH only works with "auto" switch, best with light sensor installed



Bit 7 – supposed to active rear wiper if the front wipers are on [doesn't work on my car]

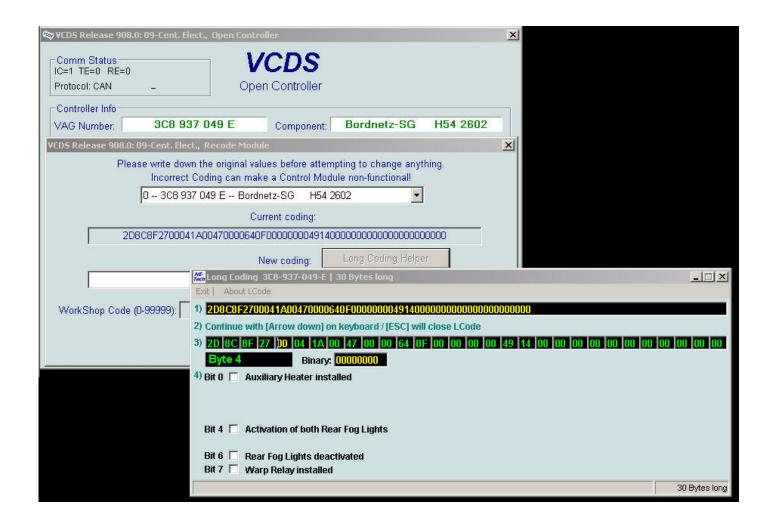


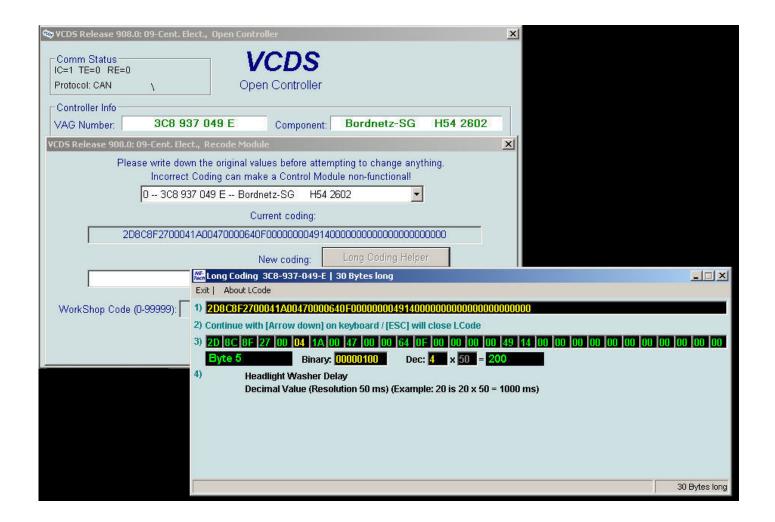
- Bit 0 supposed to active rear wiper if the front wipers are on [doesn't work on my car]
- Bit 1 turn signals flash so many times (default is 3) when you flick the turn signal stock momentarily, can be adjusted in MFD
- Bit 2 checks for burnt out bulbs on start up
- Bit 3 [don't know what this does]
- Bit 4 –
- Bit 6 B6 has the side turn signal in the mirror not on the fender so this is always unchecked
- Bit 7 Front heated seats

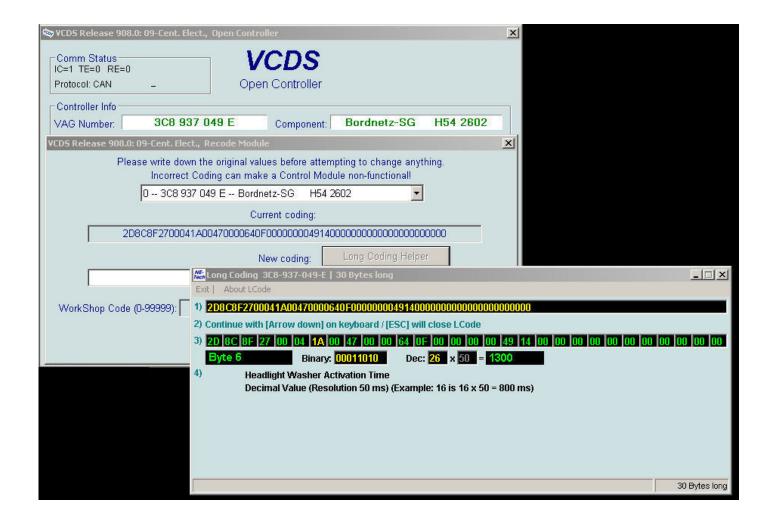


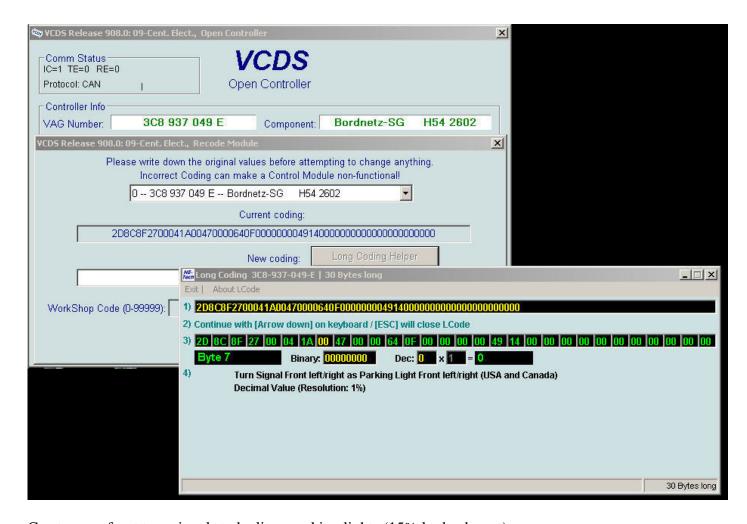
Bit 4 – factory installed bi-xenons

Bit 5 – check for that extra wipe a few seconds after



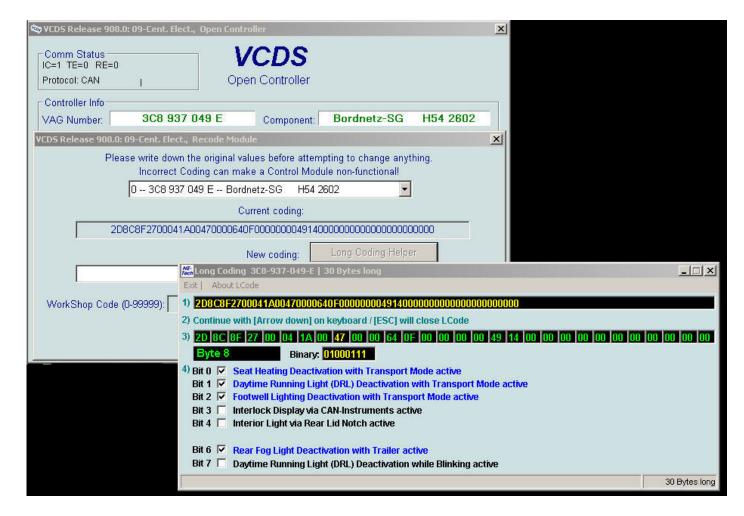






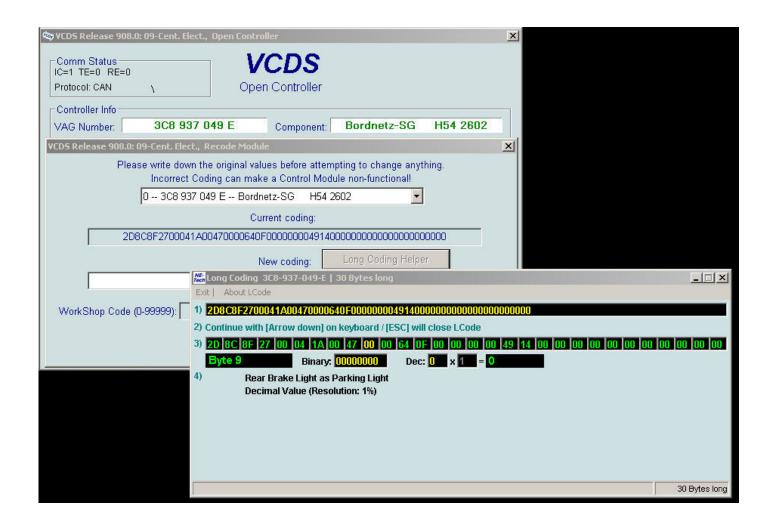
Can turn on front turn signals to be lit as parking lights (15% looks decent)

Picture of turn signal light goes here



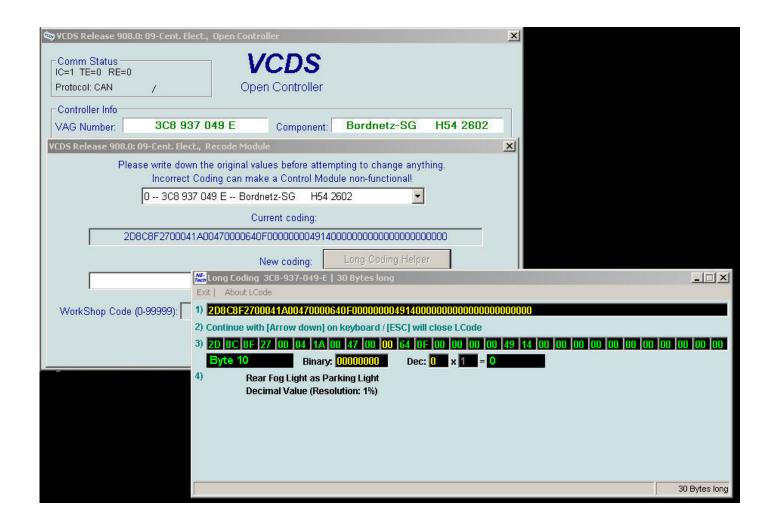
Transport mode stuff – don't worry about

Bit 7 – check if you want the DRL to turn off when signaling that direction

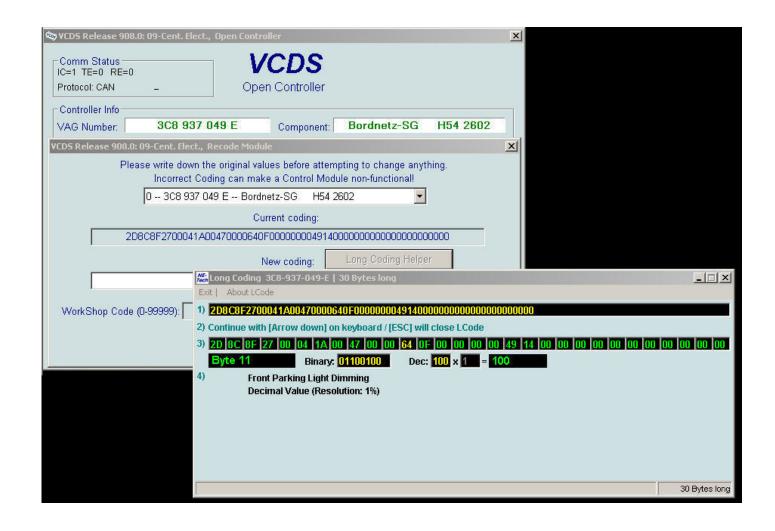


Link here

Picture here

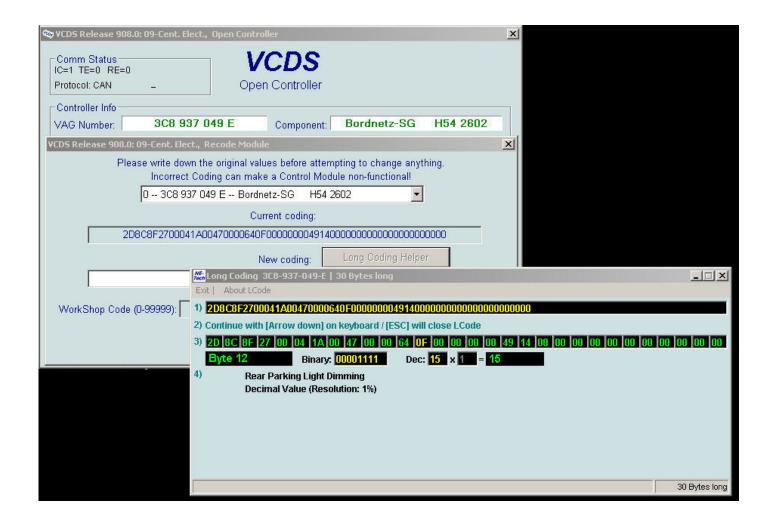


[Hmmm, possible "skyline" application.]



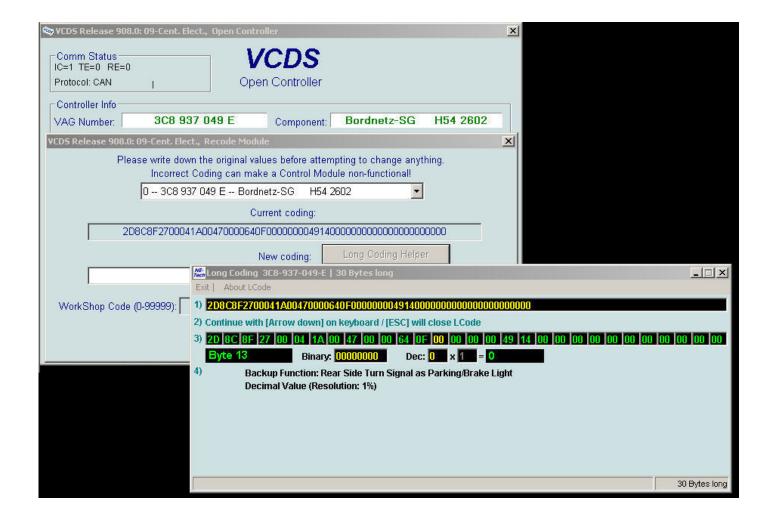
Byte 11 needs to be at 100% for S5 look LED headlights

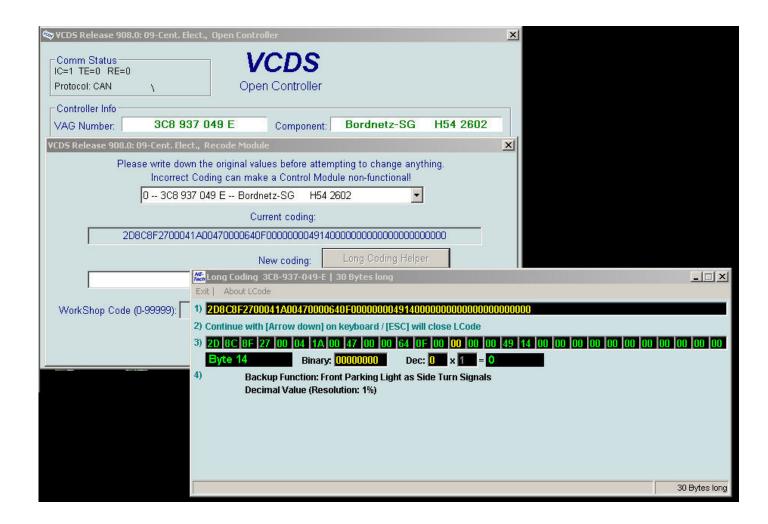
Pic of yellow bulb and S5 look lights



Rear tail lights

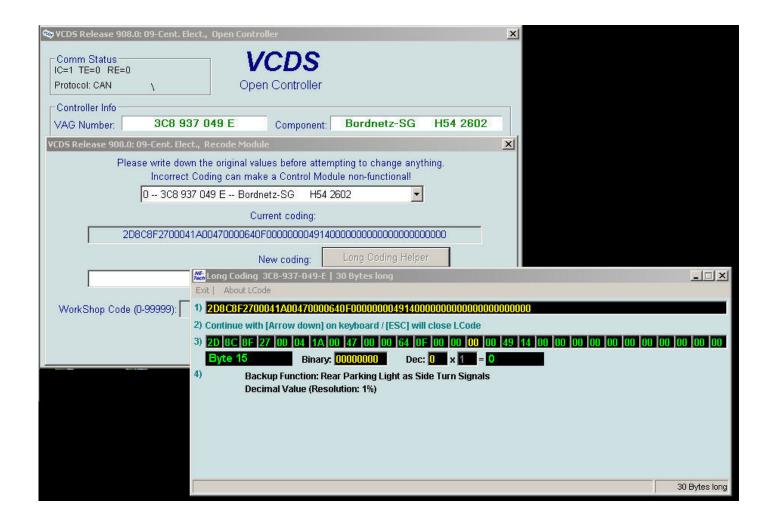
Pic

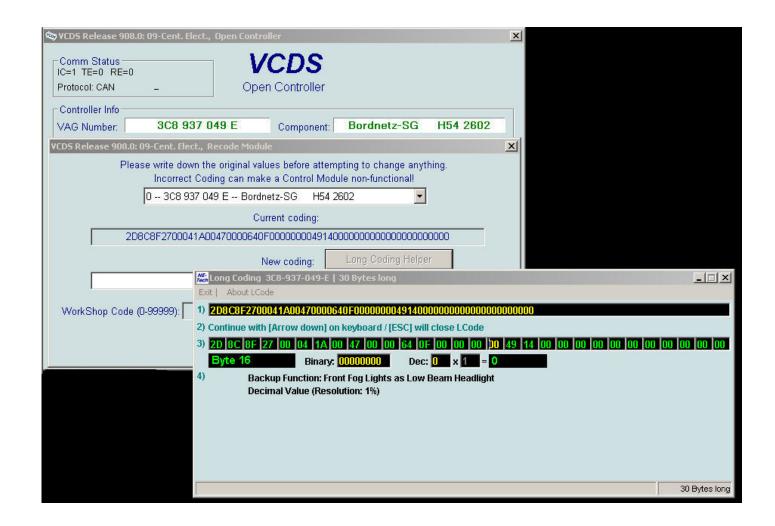




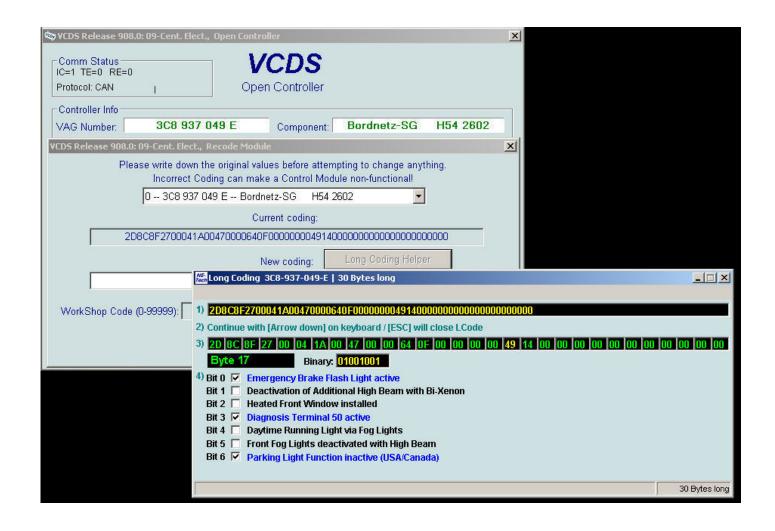
explanation

Pic

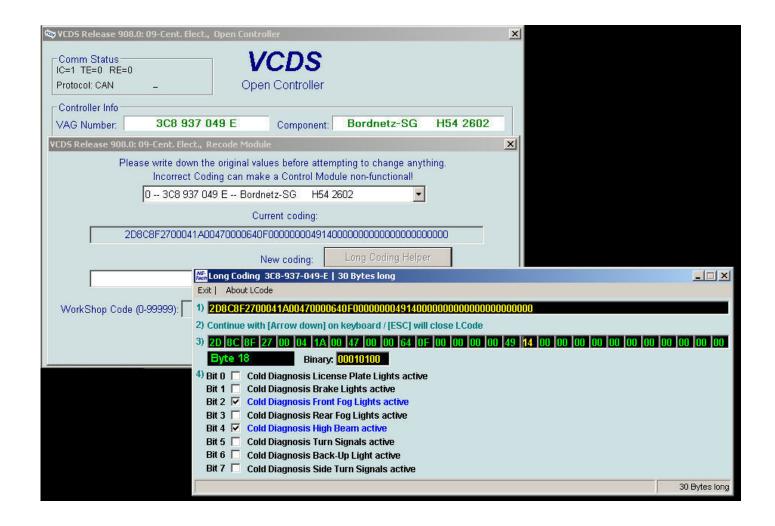




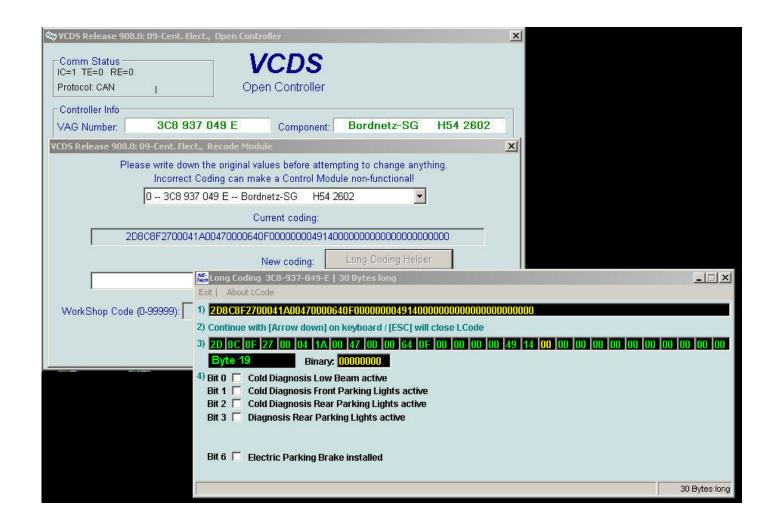
Why would so many things change when backing up...



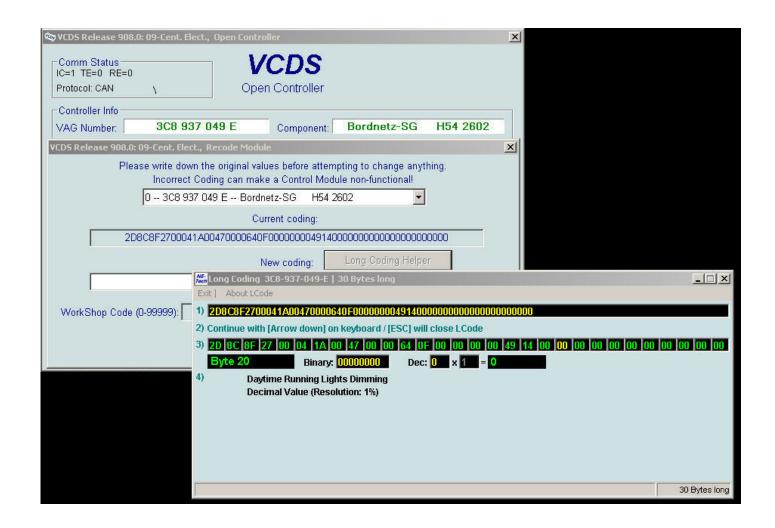
- Bit 0 during -really- hard braking the hazard lights flash
- Bit 4 DRL with fogs instead of low beam
- Bit 6 check for "parking light function" to work (read your car's manual about what this is)



Check what you want the computer to check when the car is started. Helpful for installing LED bulbs or HID. [I've unchecked the license plate lights so I can install LEDs, but they still don't work properly without a load equalizer]



Bit 6 – I think all B6 passat's have the electric parking brake installed but this isn't checked....



Byte 20 – brightness of DRL, default is 85%

