# Passat B6 / 3C Devil Eyes Headlight Install (aka S5 / R8 LED DRL lights)



### Notes:

I am mostly going over the VCDS (VAG-COM) settings that you need to change to m ake these work as Daytime Running Ligh ts. See add endums for bum per rem oval and VCDS setting s if you are adding HIDs.

The term parking lights, m arker lights, clearance lights, conspicuity lights a ll mean the same thing; basically the lights on all 4 corners are lit up so other people can see you.

These will <u>not</u> work on cars that have factory Bi-Xenon installed!

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If you are in EU, these may be simple plug and play and no VCDS changes may be necessary.

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If you have the regular NAR switch and do not make any VCDS changes, here's how the lights will work: off = low beam as DRL ("S5 look" LEDs will not be active!)

on = LEDs on, low beams on, tail lights on, license plate lights on

on + fog = LEDs on, low beams on, front fog on, tail lights on, license plate lights on

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Thank you to big\_dish, dubman6, to vw\_guy\_76, akaria930, FL PASSAT DRIVER, and mailforme.

Thanks to chadcronin for the bum per removal and help with VCDS, thanks to VWGT f or the headlights (months before others in North America!)

If you see anything that needs adjustment or what ever, please contact me through the vwvortex forum, handle is Angelico.

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## **VCDS Settings:**

These are the settings you need to make with VCDS for what I feel is the best look and "safest" lighting option. (usual note: Don't simply copy the Long Coding, you can stuff up you car!)

- IIX

All changes are in 09-Central Electronics:

Byte 0, Bit 3, checked - DRL Scandinavia

Byte 0, Bit 4, unchecked - DRL North America Long Coding 3C8-937-049-E | 30 Bytes long

AN ALL AND AND AN AND AN	
Continue with [Arrow down] on keyboard / [ESC] will close LCode	
2D 8C 8F 27 00 04 1A 00 47 00 00 64 0F 00 00 00 49 14 00 00 00 00	00 00 00 00 00 00 00
Byte 0 Binary: 00101101	
Bit 0 🔽 Front Fog Lights installed	
Bit 1 🔲 Xenon Headlights with Shutter installed	
Bit 2 🔽 Footwell Lights installed	
Bit 3 🔽 Daytime Running Lights (Scandinavia) active	
Bit 4 🔲 Daytime Running Lights (North America)	
Bit 5 🔽 Assistance Driving Light Leaving Home active	
Bit 6 🔲 Rain-/Light sensor installed	

Byte 11 - set to 100% for maximum intensity of LEDs (this would have been the orange bulb in the stock headlights) [if they aren't lighting properly you can go above 100%. 112% has worked for a couple of members.]

Kang Coding 3C8-937-049-E   30 Bytes long	_ 🗆 🗙
Exit   About LCode	
1) 2D8C8F2700041A00470000640F0000000491400000000000000000000000000	
2) Continue with [Arrow down] on keyboard / [ESC] will close LCode	
3) 2D 8C 8F 27 00 04 1A 00 47 00 00 64 0F 00 00 00 49 14 00 00 00 00 00 00	00 00 00 00 00
Byte 11 Binary: 01100100 Dec: 100 x 1 = 100	
4) Front Parking Light Dimming	
Decimal Value (Resolution: 1%)	
	30 Bytes long

Byte 20 - set to 0% so low beam or fog lights do not light as DRL.

NE- Tech	ong Coding 3C8-937-049-E   30 Bytes Ion		_ 🗆 🗙
Exit	About LCode		
1) 2	D8C8F2700041A00470000640F0000000	0491400000000000000000000	
2) C	ontinue with [Arrow down] on keyboard / [	[ESC] will close LCode	
3) 2	D 8C 8F 27 00 04 1A 00 47 00 00	0 64 0F 00 00 00 00 49 14 00 00 00 00 0	00 00 00 00 00 00
E	Byte 20 Binary: 00000000	Dec: 0 x 1 = 0	
4)	Daytime Running Lights Dimming		
	Decimal Value (Resolution: 1%)		
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Byte 19, Bit 1, unchecked so Cold Diag for the Parking Lights is OFF.

Kong Coding 3C8-937-049-E   30 Bytes long	<u>_ 🗆 ×</u>
Exit   About LCode	
1) 2D8C8F2700041A00470000640F000000049140000000000000000000000	
2) Continue with [Arrow down] on keyboard / [ESC] will close LCode	
3) 2D 8C 8F 27 00 04 1A 00 47 00 00 64 0F 00 00 00 49 14 00 00 00 00 00	00 00 00 00 00 00
Byte 19 Binary: 00000000	
4) Bit 0 🔲 Cold Diagnosis Low Beam active	
Bit 1 🧮 Cold Diagnosis Front Parking Lights active	
Bit 2 🔲 Cold Diagnosis Rear Parking Lights active	
Bit 3 🔲 Diagnosis Rear Parking Lights active	
Bit 6 🔲 Electric Parking Brake installed	
	30 Bytes long

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If you have the regular NAR switch, the result will be:

off = LEDs on as DRL, tail lights on, license plate lights on

on = LEDs on, low beams on, tail lights on, license plate lights on

on + fog = LEDs on, low beams on, front fog on, tail lights on, license plate lights on

If you have the Euro (non auto) switch, the result will be:

off = LEDs on as DRL, tail lights on, license plate lights on

parking = LEDs on as DRL, tail lights on, license plate lights on

parking+ front fog = LEDs on as DRL, front fog on, tail lights on, license plate lights on

on = LEDs on, low beams on, tail lights on, license plate lights on

on + fog = LEDs on, low beams on, front fog on, tail lights on, license plate lights on

Now if you have the Euro switch, you can also disable the Scandinavian DRL so that when you are in the "off" position, nothing is on, and then just use the "parking" position to light up the m arker lights and S5 look LEDs.

I believe if you have the "auto" position, you should have Scandinav ian DRL enabled and then the headlights will come on as expected.

Sorry, the license plate lights are always on with the Sc andinavian DRL, there are no settings in VCDS to change this that I could find.

### **Suggested Tool List**

Torx (T-20) Torx (T-25) ratchet 10mm socket and 12" extension 19mm socket Flat blade screw driver 6mm Allen key Car jack and tools for taking off the wheels