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Thread: LED tail Install with or without Rear Fog.

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ZIPN VW [o](#)

Member



Join Date: Sep 5th, 2002
 Posts: 1,876

☐ LED tail Install with or without Rear Fog.

05-25-2010 12:27 AM

[Reply](#)

#1

I'd would like to say thanks to Dana and others in the VCDS section for their help making this install possible.

Items you will need for install:

1. LED Tail Lights
2. LED Tail Light Adapters
3. Euro Switch if you are adding the Rear Fog
4. VW repair wire Part# 000979009E if you are adding the Rear Fog

Tools you will need for install:

1. 8mm socket/wrench
2. T20 Hex tool
3. VW style wire terminal removal tool if installing Rear Fogs. (I used two sewing needles)
4. VCDS or coding tool if needed

Since your car might have a different Central Electronic Module than mine, I would verify if and what coding you will need. I will include my module for reference. If others want you include their modules, I will add it to this thread.

On with the show. First lets install the lights.

Lift the hatch. There are access panels where the red circles are that need to be opened.





Once opened, you will need disconnect the plug in the green box and then use the 8mm socket or wrench to remove the nuts in the red circles.



After that, the light will pop out.



Take the new Inner LED tail light and secure it to the hatch with the same two 8mm nuts.

Using the LED Adapters



Plug the connector that was plugged into light where the green box was and plug it into one end of the LED Adapter. Then plug the other end of the LED Adapter to the LED light. It should look like this once completed.



Place the access panel back on and repeat for the other side.

To remove the outer tail lights, you will first have to pull away some of the carpet. Once you have room, disconnect the plug in the green box and manually (by hand) turn the white screw in the red circle counter-clockwise to remove the screw.



The outer light will slide out. Please take note of the guides in the red circle that are used to align the lights.



Once the new LED light is installed, hand tighten the white screw. Then plug the connector that was plugged into light where the green box was and plug it into one end of the LED Adapter. Then plug the other end of the LED Adapter to the LED light. It should look like this once completed.



Put back the carpet and repeat for the other side.

Once you are done. I should look like this.



If you have a newer Cent. Elect. Module and using a kit without a reverse lights, you are done. If you have an older module, then you will need the coding box from TMT or use VCDS to change Byte 18.

An examples of the newer Cent. Elect. Module like mine:

Address 09: Cent. Elect. (J519) Labels: 1K0-937-08x-09.clb
Part No SW: 1K0 937 087 F HW: 1K0 937 087 F
Component: BCM PQ35 H 103 0575
Revision: 00103 AG
Coding: 69180A3E90272AC40008008170000D0445050086534D8D6064 8020200000
Shop #: WSC 93007 999 58668

Part No: 1K1 955 119 F
Component: Wischer 08011 21 0512
Coding: 009795

If you have a Rear Fog Kit, continue on.

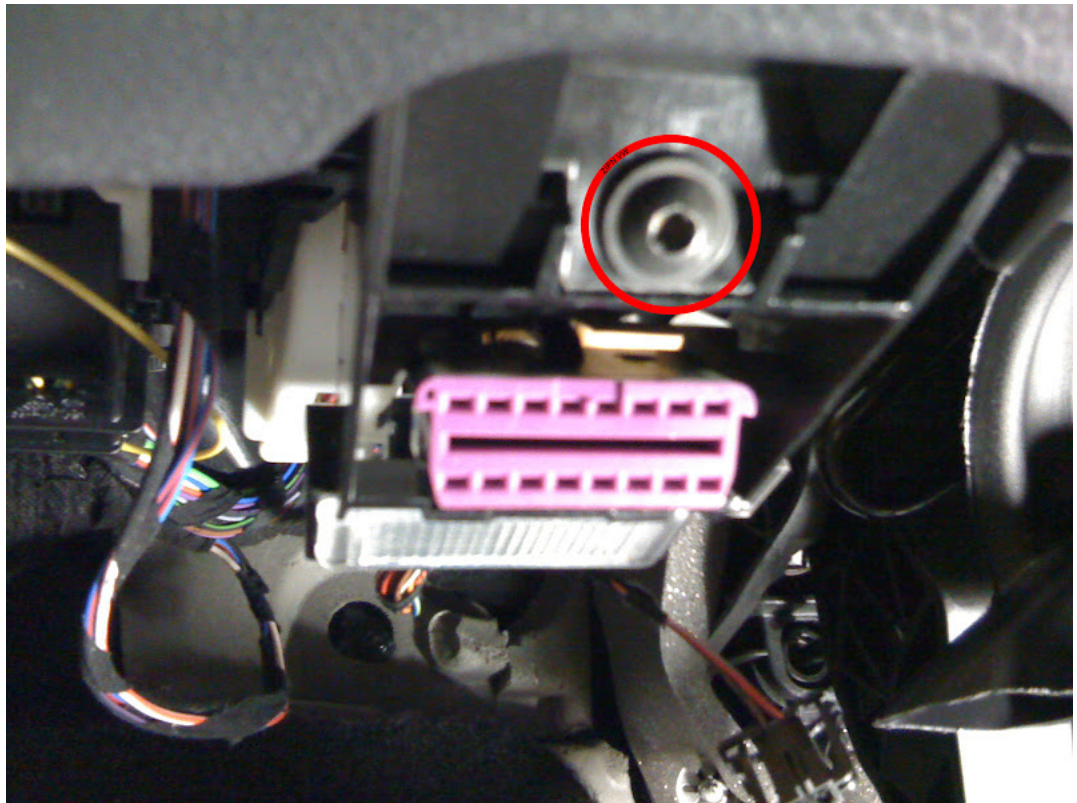
First you will have to remove and replace the stock switch with a euro switch. There are other DIYs that will show you how like Joe's DIY [Thread](#)

Disconnect the connector at the back of the switch and locate the empty Pin 7 slot. After you find where Pin 7 slot is, take your VW repair wire and insert one end into it.



Then take the other end and fish it to near the footwell lighting is. (Hint: It was easier to do when you remove the fuse panel access cover)

Next you will need to use the T20 hex tool to remove the bolt that hold the OBD2 port and the foot well lighting.



The unit will slide out. Place it to the side and out of your way.



Now the hard part.

If you look where the OBD2 port unit was, you will see 3 large connectors.



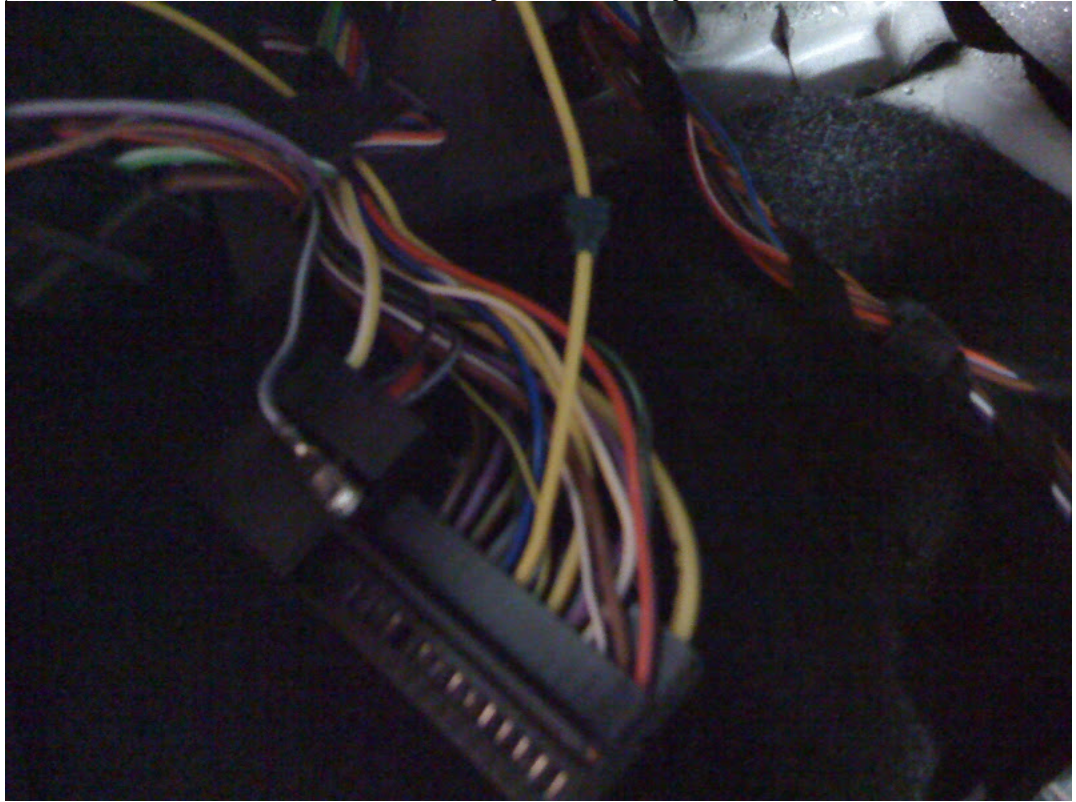
You will be dealing with the black and brown connector.

Using the little white handle, slide the white handle back to release the black connector.

Once the black connector is disconnected, the outer shell needs to be removed to access the wires within it. There are two clips that hold the shell on. One of them is marked by the red circle. the other in on the opposite side.

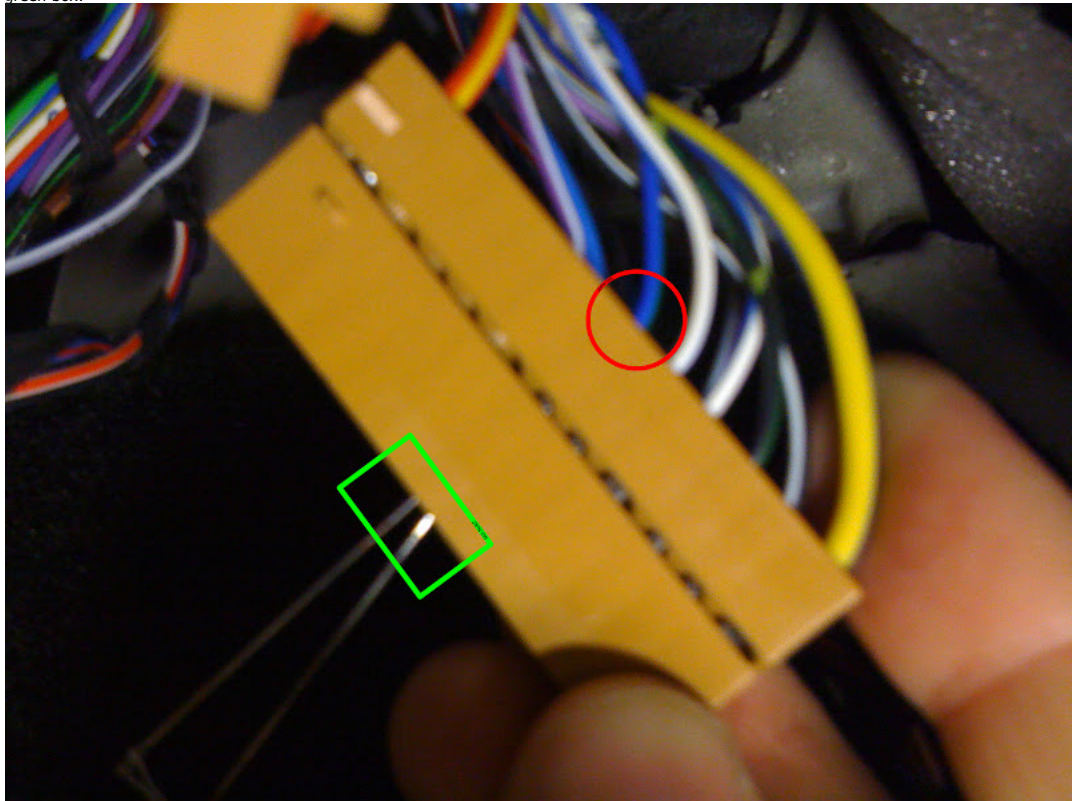


With the shell off you will need to slide the connector apart and find the empty Pin 17 slot. Once you find it, insert the other end of the repair wire into it. Then you will need to find Pin 28 slot. Pin 28 is the wire that connects to the Drivers Side Reverse Light. Since the Rear Fog replaces the Drivers Side Reverse Light, you will use this wire to power the Rear Fog. On my car the wire was gray with a white stripe. Use the VW style wire terminal removal tool to remove the wire that is in Pin 28 slot. I do not have this tool, so I used 2 sewing needles. I stuck one in each of the pin release holes and the wire slid out. Do not force it out or it might break. Make sure to give the wire some slack.



Slide the two halves of the black connector together again and slide the unit into the black shell. Reattach the black connector and slide the white handle forward.

Repeat the same process to remove the brown connector and locate Pin 47 Slot. When you find it, there will be a blue with green stripe wire inserted into it. You will need to remove that wire and tape it up. It will not be used anymore. Now insert the gray with white stripe wire into the Pin 47 Slot. The image below shows the blue with green stripe wire in the red circle, and the 2 sewing needles used to remove the wire in the green box.



Reassemble the brown connector and reattach it. Reinstall the the OBD2 unit with the T20 bolt. If your car has the newer Cent. Elect. Module like mine, you are done. If it doesn't you will have to visit the MKVI VCDS thread for assistance. [Thread](#)

Thanks again goes out to Dana from Ross-Tech.



ZIPN VW ▾

Member



Join Date: Sep 5th, 2002
Posts: 1,876

05-25-2010 12:28 AM

Reply

#2

All units will need coding to complete the install. Changing the coding directly to 00 will not result in setting back to factory default. In order to set the module back to factory default for North America, first code to 03, then back to 00.

List of Cent. Elect. Module #9 units with Xenon and Rear Fog

Build Date: May, 2010 - Chroptus (EU Golf TDI)

- Byte 18 coded to "43". All lights functional and at correct brightness.

Build Date: Jan 30, 2010 - ZIPN VW (NA GTI)

- Byte 18 coded to "15". All lights functional and at correct brightness.
- Byte 18 coded to "04". All lights functional, bumper marker and city lights are at low brightness. (no error with LED city light and bumper lights)

Address 09: Cent. Elect. (J519) Labels: 1K0-937-08x-09.clb
Part No SW: 1K0 937 087 F HW: 1K0 937 087 F
Component: BCM PQ35 H 103 0575
Revision: 00103 AG
Coding: 69180A3E90272AC4008008170000D0445051586534D8D6064 8020200000
Shop #: WSC 93007 999 58668
Part No: 1K1 955 119 F
Component: Wischer 08011 21 0512
Coding: 009795

Build Date: Aug 14, 2009 - Dana (NA GTI)

- Byte 18 coded to "04". All lights functional and at correct brightness.

Address 09: Cent. Elect. (J519) Labels: 1K0-937-08x-09.clb
Part No SW: 1K0 937 087 G HW: 1K0 937 087 G
Component: BCM PQ35 H+ 103 0536
Revision: 00103 AC
Coding: 6D180A1E90272AC48088008550000D0441050486434D8D60648020200000
Shop #: WSC 01357 011 00200
Part No: 1K1 955 119 E
Component: Wischer 30060 21 0501
Coding: 009795

List of Cent. Elect. Module #9 units with Xenon and without Rear Fog

Build Date: May, 2010 - drunknfoo (NA GTI)

- Byte 18 coded to "55". All lights are functional and at correct brightness.

Address 09: Cent. Elect. (J519) Labels: 1K0-937-08x-09.clb
Part No SW: 1K0 937 087 F HW: 1K0 937 087 F
Component: BCM PQ35 H 103 0575
Revision: 00103 AG
Coding: 6D180A3E90272AC40088008160000D0441055586534D8D6064 8020200000
Shop #: WSC 01357 011 00200

Part No: 1K1 955 119 F
Component: Wischer 25041 21 0512
Coding: 009795

Build Date: Jan 20, 2010 - Orient Express (NA GTI)

- Byte 18 coded to "55". All lights are functional and at correct brightness.
- Byte 18 coded to "1F". All lights are functional and at correct brightness.
- Byte 18 coded to "43". One Reverse light works, the rest are functional and at correct brightness.

Address 09: Cent. Elect. (J519) Labels: 1K0-937-08x-09.clb
Part No SW: 1K0 937 087 G HW: 1K0 937 087 G
Component: BCM PQ35 H+ 103 0574
Revision: 00103 AF
Coding: 6F180A3E90252AC48008008174008D0445054386435D8D60648020200000
Shop #: WSC 01357 011 00200
Part No: 1K1 955 119 F
Component: Wischer 08011 21 0512
Coding: 009795

Build Date: Sept 26, 2009 - chadcronin (NA GTI)

- Byte 18 coded to "20". All lights are functional and at correct brightness (as far as I know).

Address 09: Cent. Elect. (J519) Labels: 1K0-937-08x-09.clb
Part No SW: 1K0 937 087 G HW: 1K0 937 087 G
Component: BCM PQ35 H+ 103 0536
Revision: 00103 AD
Coding: 65180A3E90252A048008008174008D0441052086534D8D60648020200000
Shop #: WSC 01357 011 00200

Build Date: Aug, 2009 - finklejag (NA GTI)

- Byte 18 coded to "20". All lights are functional and at correct brightness.

List of Cent. Elect. Module #9 units with Halogen and with Rear Fog

petteri

- Byte 18 coded to "22". All lights functional and at correct brightness.

Build Date: Jan, 2010 - unick

- Byte 18 coded to "15". All lights functional and at correct brightness.
- Byte 18 coded to "22". All lights functional and at correct brightness.

List of Cent. Elect. Module #9 units with Halogen and without Rear Fog

Build Date: Nov, 2009 - sfpegasus (NA Golf TDI)

- Byte 18 coded to "1F". All lights functional and at correct brightness. (Hatch tails stay on when opened)
- Byte 18 coded to "21". All lights functional, bumper marker are at low brightness and city lights are at high brightness.

Address 09: Cent. Elect. (J519) Labels: 1K0-937-08x-09.clb
Part No SW: 1K0 937 087 G HW: 1K0 937 087 G
Component: BCM PQ35 H+ 103 0572
Revision: 00103 AE
Coding: 6D180A3E90272A04800800817000858441011F86534D8560648020200000
Shop #: WSC 01357 011 00200
Part No: 1K1 955 119 F
Component: Wischer 19100 21 0512
Coding: 009795

Last edited by ZIPN VW; 02-25-2011 at 01:15 PM. **Reason:** Updating



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jokerific

Member

Join Date: Mar 9th, 2010
Location: Califo'naye
Posts: 264
Vehicles: 2010 GTI DSG / CSG

05-25-2010 01:46 AM [Reply](#) #3

Thanks! Bookmarking this thread, I want to do this in the near future



Reply With Quote |

corrado917

Member



Join Date: Dec 6th, 2008
Location: Chi City
Posts: 541
Vehicles: MK6 CSG, Corrado
SLC, C230 Sport Kompressor

05-25-2010 02:44 AM [Reply](#) #4

Very Good post.



Reply With Quote |

Skamish

Member



Join Date: Sep 14th, 2009
Posts: 223

05-25-2010 02:55 AM [Reply](#) #5

"If you have a newer Cent. Elect. Module and using a kit without a reverse lights, you are done. If you have an older module, then you will need the coding box from TMT or use VCDS to change Byte 18. "

Can you emphasize? How do you know if you have the older or newer module? I got my car in October 2009

Last edited by Skamish; 05-25-2010 at 03:01 AM.



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RogueTDI

Member



Join Date: Dec 12th, 2002
Location: USA
Posts: 14,844

05-25-2010 03:25 AM [Reply](#) #6

subscribed!

Vehicles: 2010 Golf TDI 4DR
MT6 SB 1989 AW11 MR2 4AGE
150whp 2250lbs



Reply With Quote | +

quailallstar

Member



Join Date: Dec 2nd, 2001
Location: Aus Liebe zum
Automobil
Posts: 8,373
Vehicles: @LuvGermanCars

05-25-2010 06:18 AM [Reply](#) #7



Great job! Subscribed because I'm getting these for my yet-to-be-born Golf TDI!

2011 Candy-Weiß Golf 6 2,0 6-Gang DPF TDI BLUEMOTION Technologies™ Highline 4-Türen ■ 2011 Tornadorot Jetta 6 2,5 Highline 4-Türen ■ 08 Deep Blau Perleffekt Golf 5 .:R32 3,2 DSG 4-MOTION™ 3-Türen ■ 08 Tornadorot Passat 3C Variant Highline 2,0 TFSI ■ 06 Tornadorot Golf 5 GTI 2,0 DSG TFSI 3-Türen ■ 02 Indigo Blau Perleffekt Passat 3BG Trendline 1,8T 4-Türen



Reply With Quote | +

petteri

Junior Member

Join Date: May 19th, 2010
Location: Ft. Lauderdale
Posts: 32
Vehicles: 2010 Golf TDI

05-25-2010 07:58 AM [Reply](#) #8



Thanks so much for this! I'm also waiting on delivery on my TDI and this will be my first project!



Reply With Quote | +

ZIPN VW

Member



Join Date: Sep 5th, 2002
Posts: 1,876

05-25-2010 08:31 AM [Reply](#) #9

Originally Posted by **Skamish**

"If you have a newer Cent. Elect. Module and using a kit without a reverse lights, you are done. If you have an older module, then you will need the coding box from TMT or use VCDS to change Byte 18. "

Can you emphasize? How do you know if you have the older or newer module? I got my car in October 2009

To be honest, there is not a lot of data out there to determine when the change date was. From what I have seen, if your car was built in 2010, you have the new module. When I get more data from others. I will update this thread. The good news is that changing the byte 18 code does not effect anything if you have the newer module.



Reply With Quote | +

absoluteczech

Geriatric Member



Join Date: Sep 12th, 2006
Location: The BRO C
Posts: 39,126
Vehicles: 2016 VW GTI 4DR
CSG

05-25-2010 10:17 AM [Reply](#) #10

nicely done! and wayyyy too much work for a rear fog 🇩🇪 btw are those the R colored ones or cherry red ones?

[Hitler hates VWVortex| WTF? Thread](#) |



Reply With Quote | +

CanadianTurbo

Member



Join Date: May 9th, 2001
Location: SE London, UK
Posts: 6,287
Vehicles: 2012 London Oyster
Card

05-25-2010 10:22 AM [Reply](#) #11

Great info!! I have the rear fog setup but have been running them with the inners unplugged for a bit so try to maybe tackle this soon, or just try the coding changes to get them working but no fog.

[eurodrivers.ca](#)



Reply With Quote | +

ZIPN VW

Member

05-25-2010 10:40 AM [Reply](#) #12

Originally Posted by **absoluteczech**

nicely done! and wayyyy too much work for a rear fog 🇩🇪 btw are those the R colored ones or cherry red ones?



Join Date: Sep 5th, 2002
Posts: 1,876

Mine are the darker Golf R LEDs. It was fun. It helps that I have done a bit of wiring on my older dubs. Retro fitting Corrado power/heated seats into a MK2 GTI was not fun.

Last edited by ZIPN VW; 05-25-2010 at 10:42 AM.



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sfpegasus ▾

Member



Join Date: Jul 23rd, 2009
Location: San Francisco
Posts: 1,278

05-25-2010 11:35 AM [Reply](#) #13

Originally Posted by **ZIPN VW** ▾

To be honest, there is not a lot of data out there to determine when the change date was. From what I have seen, if your car was built in 2010, you have the new module. When I get more data from others. I will update this thread. The good news is that changing the byte 18 code does not effect anything if you have the newer module.

Very nice work, Zip!

Mine initially threw error codes after installation. Working with dana and vicnesfo, we found that after clearing the errors and coding to "21" we got no further error codes.

Maybe if I had simply cleared the error codes at "00" I would have been done.

After running several weeks at "21" I changed it back to "00" with no errors. I've asked vinctesfo to check his, since he has the same module and revision I have.

Mine are the "non-tinted" lights:



Last edited by sfpegasus; 05-25-2010 at 11:39 AM.

2010 CW Golf TDI DSG 2DR - Euroswitch - LED tails, turns - Clear corners - GTI sideskirts - Audi stainless tips - Porto alloy spare - Plastic battery box - 9W7 Bluetooth
2013 RS Golf 2.5 6AT 2DR - Bone stock



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ZIPN VW ▾

Member



Join Date: Sep 5th, 2002
Posts: 1,876

05-25-2010 11:42 AM [Reply](#) #14

Originally Posted by **sfpegasus** ▾

Very nice work, Zip!

Mine initially threw error codes after installation. Working with dana and vicnesfo, we found that after clearing the errors and coding to "21" we got no further error codes. Maybe if I had simply cleared the codes at "00" I would have been done.

After running several weeks at "21" I changed it back to "00" with no errors. I've asked vinctesfo to check his, since he has the same module and revision I have.

Mine are the "non-tinted" lights:

I did not get the bulb out warning until I tried to use the Rear Fog. Then I tried different codes in Byte 18 to see if it worked. It turn out that my adapters had a loose connection. After fixing that, they worked perfectly.

I will update the thread if you find new information. There seems to be too many variables.



Reply With Quote |

Dubbin1.8

Member



Join Date: Sep 27th, 2001
Location: Boston
Posts: 1,829
Vehicles: MKVI GTI

05-25-2010 01:15 PM [Reply](#) #15

VW needs to smarten up and makes these standard on US models. They are so nice looking. Great writeup!



Reply With Quote |

absoluteczech

Geriatric Member



Join Date: Sep 12th, 2006
Location: The BRO C
Posts: 39,126
Vehicles: 2016 VW GTI 4DR
CSG

05-25-2010 01:51 PM [Reply](#) #16

sfpegasus & zipin vw do you guys both mind taking better pics of the car with the lights off and in the shade somewhere? im still in the air about what color to get

[Hitler hates VWVortex| WTF? Thread](#) |



Reply With Quote |

evosky

Member



Join Date: Feb 13th, 2010
Location: noVA / DE
Posts: 8,463
Vehicles: a van

05-25-2010 02:10 PM [Reply](#) #17

looks good and great writeup.

if i'm ever in to get these, this will be useful

[twitter](#) x [PSN:zerosaint](#) x [MUFC](#) x [FS: 18" 4x100 TRD Wheels](#)

Originally Posted by **MrSavvy**

I'll break it down for you simple minded people. VWvortex. The VW stands for Volkswagen. And when you create a forum, admins can create sections within the forum. This forum has a section for general car chit-chat. The car lounge. So you see, even though it's a VW forum, you can still discuss other topics.



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ZIPN VW

Member



Join Date: Sep 5th, 2002
Posts: 1,876

05-25-2010 02:26 PM [Reply](#) #18

Originally Posted by **absoluteczech**

sfpegasus & zipin vw do you guys both mind taking better pics of the car with the lights off and in the shade somewhere? im still in the air about what color to get

Ill try to get some tonight. The pictures are a little rough since they were taken with an iphone.



Reply With Quote |

absoluteczech

Geriatric Member



Join Date: Sep 12th, 2006
Location: The BRO C
Posts: 39,126
Vehicles: 2016 VW GTI 4DR
CSG

05-25-2010 02:52 PM [Reply](#) #19

cool thaks i appreciate it :p

[Hitler hates VWVortex| WTF? Thread](#) |

Orient Express

Member

GTI

Join Date: Oct 27th, 2003
 Location: San Francisco Bay Area
 Posts: 1,022
 Vehicles: 2010 GTI, 2002 911 Cab

05-25-2010 03:38 PM [Reply](#) #20

"If you have a newer Cent. Elect. Module and using a kit without a reverse lights, you are done. If you have an older module, then you will need the coding box from TMT or use VCDS to change Byte 18. "

Can you emphasize? How do you know if you have the older or newer module? I got my car in October 2009

Cars built after 2009 week 45 should have the newer control module and not need recoding.

The good news is that changing the byte 18 code does not effect anything if you have the newer module.

Not true. If you have a newer module and you change byte 18 to either 20 or 21, you will get a bulb-out error. (at least for non-rear fog light installations).

sfpegasus

Member

TDI

Join Date: Jul 23rd, 2009
 Location: San Francisco
 Posts: 1,278

05-25-2010 03:58 PM [Reply](#) #21

Originally Posted by **Orient Express**

Cars built after 2009 week 45 should have the newer control module and not need recoding.

We probably should avoid references to a particular build week. My car was built DURING week 45. More significant would be the component and revision:

Build Date: Nov 05, 2009
 Address 09: Cent. Elect. (J519) Labels: 1K0-937-08x-09.clb
 Part No SW: 1K0 937 087 G HW: 1K0 937 087 G
Component: BCM PQ35 H+ 103 0572
Revision: 00103 AE
 Coding: 6D180A3E90272A04800800817000858441010086534D856064 8020200000
 Shop #: WSC 01357 011 00200

Part No: 1K1 955 119 F
 Component: Wischer 19100 21 0512
 Coding: 009795

Originally Posted by **Orient Express**

Not true. If you have a newer module and you change byte 18 to either 20 or 21, you will get a bulb-out error. (at least for non-rear fog light installations).

Not the case at all. Mine (and vincesfo) were initially coded to "21" with no errors. Only recently did I discover recoding back to "00" would not result in error codes.

2010 CW Golf TDI DSG 2DR - Euroswitch - LED tails, turns - Clear corners - GTI sideskirts - Audi stainless tips - Porto alloy spare - Plastic battery box - 9W7 Bluetooth
 2013 RS Golf 2.5 6AT 2DR - Bone stock

sfpegasus

Member

TDI

Join Date: Jul 23rd, 2009
 Location: San Francisco
 Posts: 1,278

05-25-2010 04:00 PM [Reply](#) #22

Originally Posted by **absoluteczech**

sfpegasus & zipin vw do you guys both mind taking better pics of the car with the lights off and in the shade somewhere? im still in the air about what color to get

Ok, lights off and cloudy as heck outside. These are the non-tinted ones. They look darker than they really are, but I thought the tinted ones would be too dark for a white car.



2010 CW Golf TDI DSG 2DR - Euroswitch - LED tails, turns - Clear corners - GTI sideskirts - Audi stainless tips - Porto alloy spare - Plastic battery box - 9W7 Bluetooth
2013 RS Golf 2.5 6AT 2DR - Bone stock



Reply With Quote | +

absoluteczech ◊

Geriatric Member

motive

Join Date: Sep 12th, 2006
Location: The BRO C
Posts: 39,126
Vehicles: 2016 VW GTI 4DR
CSG

05-25-2010 04:02 PM **Reply** #23

thanks man, they do look pretty dark already

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sfpegasus ◊

Member

TDI

Join Date: Jul 23rd, 2009
Location: San Francisco
Posts: 1,278

05-25-2010 04:06 PM **Reply** #24

Originally Posted by **absoluteczech**
thanks man, they do look pretty dark already

If you like the stock color, you're gonna like these.

2010 CW Golf TDI DSG 2DR - Euroswitch - LED tails, turns - Clear corners - GTI sideskirts - Audi stainless tips - Porto alloy spare - Plastic battery box - 9W7 Bluetooth
2013 RS Golf 2.5 6AT 2DR - Bone stock



Reply With Quote | +

Orient Express ◊

Member

GTI

Join Date: Oct 27th, 2003
Location: San Francisco Bay Area
Posts: 1,022
Vehicles: 2010 GTI, 2002 911 Cab

05-25-2010 05:56 PM **Reply** #25

Not true. If you have a newer module and you change byte 18 to either 20 or 21, you will get a bulb-out error. (at least for non-rear fog light installations).

Not the case at all. Mine (and vingesfo) were initially coded to "21" with no errors. Only recently did I discover recoding back to "00" would not result in error codes.

Again, not true in all cases. If you have a non-rear foglight installation, you will get a bulb out fault with a 20 or 21 in Byte 18.



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🏠 Forum 📁 VW Model-Specific Forums 📁 Golf/GTI VI 📁 LED tail Install with or without Rear Fog.

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