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# Thread: LED tail Install with or without Rear Fog.

ZIPN VW o

Sep 5th, 2002 Posts: 1,875

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 fail Lights
  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.

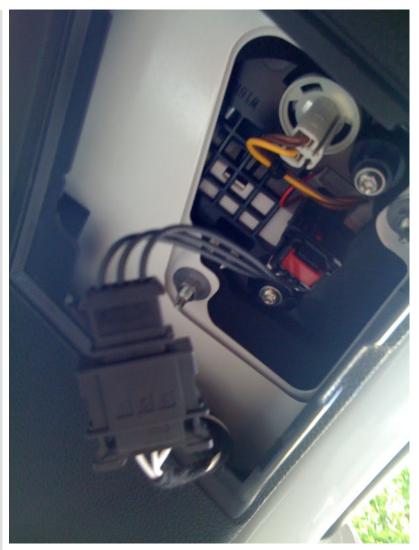
After that, the light will pop out.



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



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.



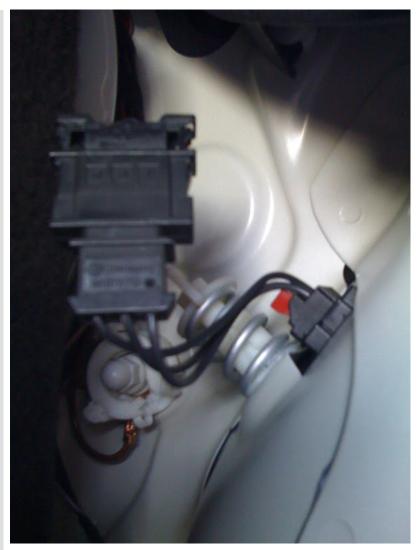
Place the access panel back on and repeat for the other side.

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.





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.



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:

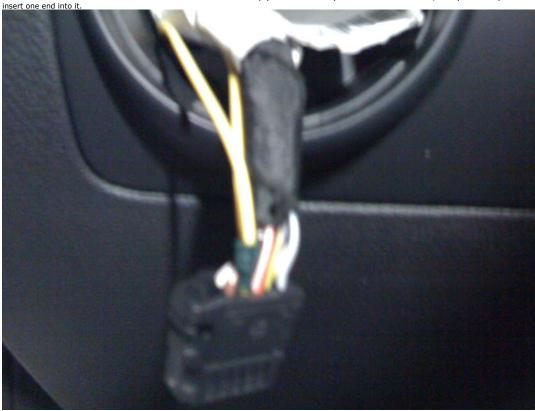
Address 09: Cent. Elect. (J519) Labels: 1K0-937-08x-09.clb
Part No SW: 1K0 937 087 F HW: 1K0 937 087 F
Component: BCM PQ35 H 103 0575
Revision: 00103 AG
Coding: 69180A3E90272AC40008008170000D0445050086534D8D6064 8020200000
Shop #: WSC 93007 999 58668

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

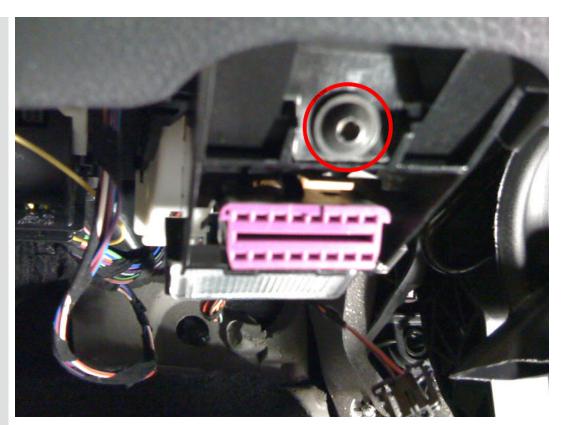
If you have a Rear Fog Kit, continue on.

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



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.





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.

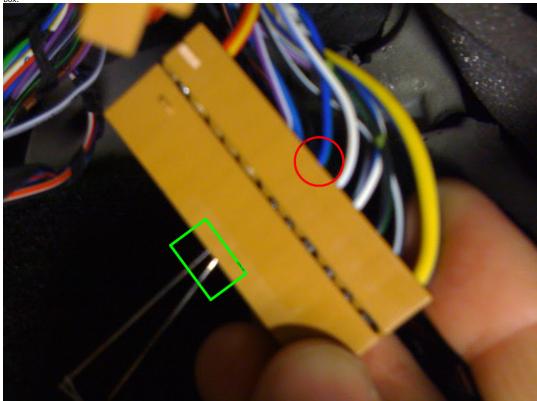


With the shell off you will need the slide the connector apart and find the empty Pin 17 slot. Once you find it, insert the other end of the repair wire into it. Then you will need to find Pin 28 slot. Pin 28 is the wire that connects to the Drivers Side Reverse Light. Since the Rear Fog replaces the 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 to halves of the black connector together again and slide the unit into the black shell. Reattached 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 to 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



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 o



Join Date Sep 5th, 2002 Posts: 1.875

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: 69180A3E90272AC40008008170000D044505**15**86534D8D6064 8020200000
Shop #: WSC 93007 999 58668
Part No: 1K1 955 119 F
Component: Wischer 08011 31 0513

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

REVISION: 00103 AC Coding: 6D180A1E90272AC48088008550000D044105**04**86434D8D60648020200000 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: 6F180A3E90252AC48008008174008D044505**43**86435D8D60648020200000 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: 65180A3E90252A048008008174008D044105**20**86534D8D60648020200000 Shop #: WSC 01357 011 00200

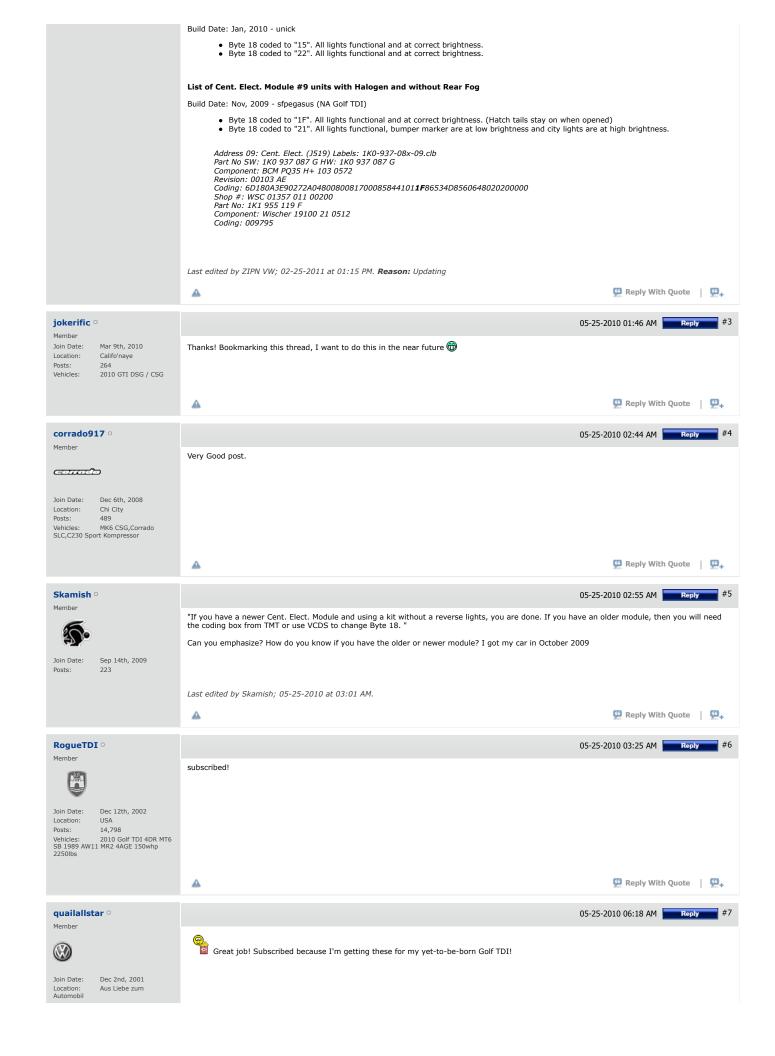
Build Date: Aug. 2009 - finkleiag (NA GTI)

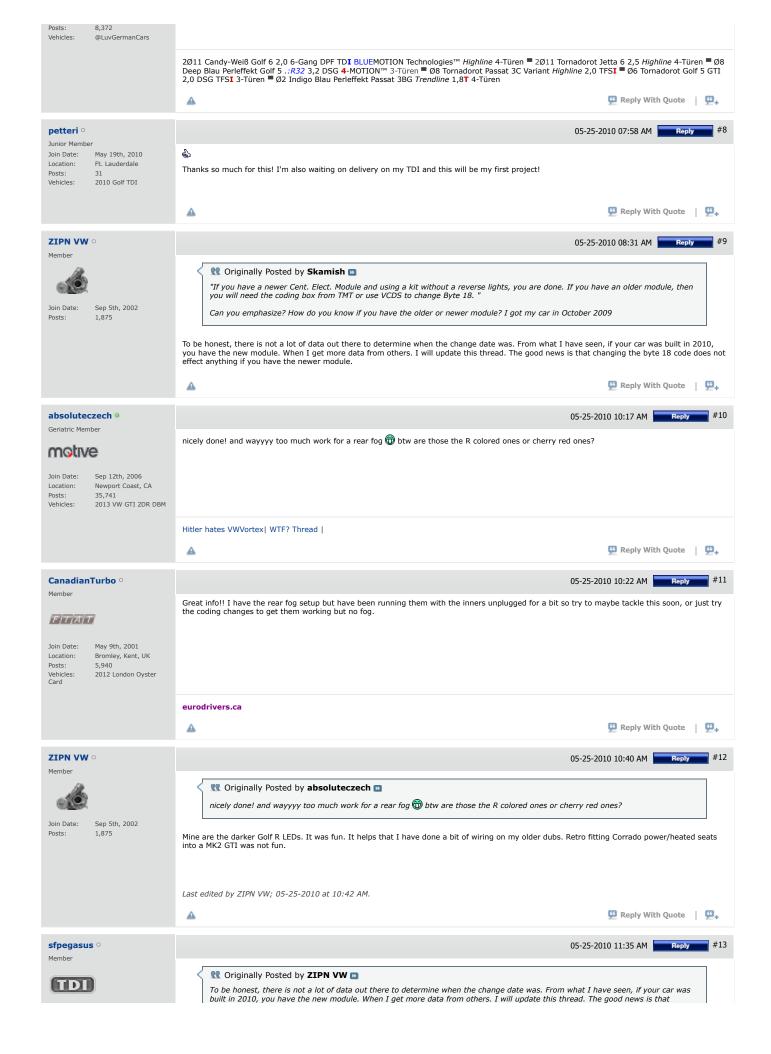
• Byte 18 coded to "20". All lights are functional and at correct brightness.

## 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.





Join Date:

Location: Posts:

Jul 23rd, 2009 San Francisco 1.273

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 vicncesfo, 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 vincesfo 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

Α

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05-25-2010 11:42 AM



## ZIPN VW o

Memher



Join Date Posts:

Sep 5th, 2002 1,875

🔐 Originally Posted by sfpegasus 🔟

Very nice work, Zip!

Mine initially threw error codes after installation. Working with dana and vicnces fo, 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 vincesfo to check his, since he has the same module and revision I have.

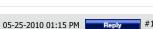
Mine are the "non-tinted" lights:

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.

▲

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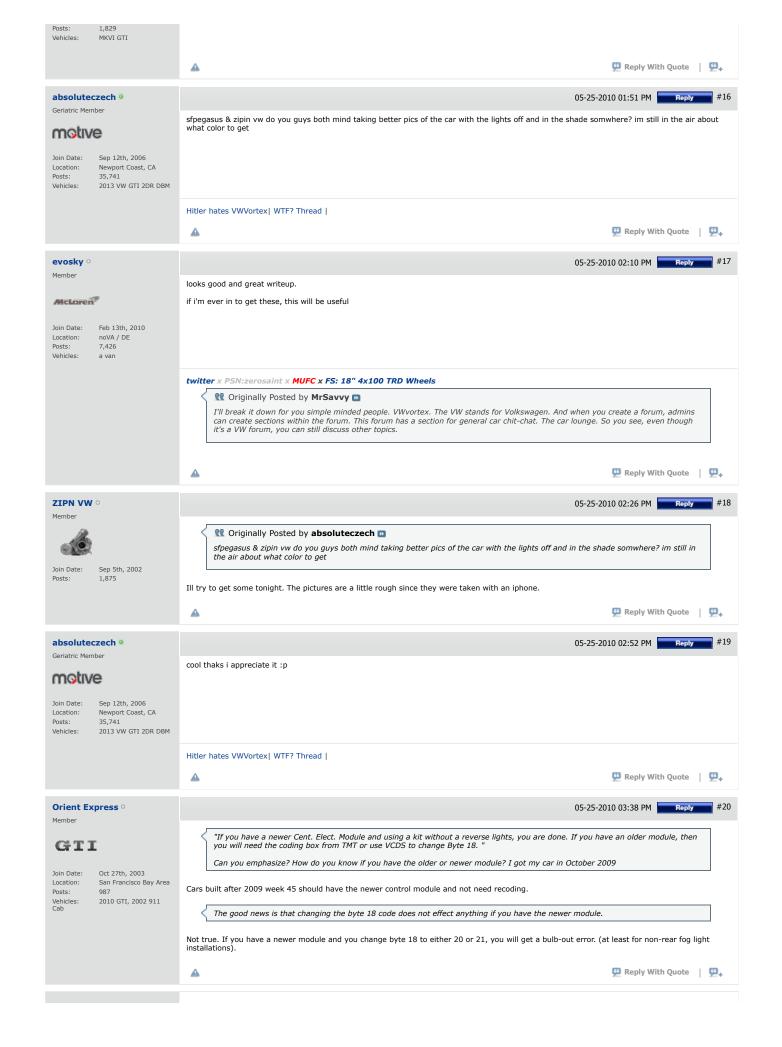
Dubbin1.8 o

Member



Join Date: Sep 27th, 2001 Location: Boston

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



## sfpegasus o

Member



loin Date: Jul 23rd, 2009 San Francisco Location: Posts:

Criginally 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

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 2013 RS Golf 2.5 6AT 2DR - Bone stock

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05-25-2010 04:00 PM Reply #22



### sfpegasus o

Member



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

## 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 somwhere? 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

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absoluteczech @

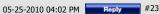
Geriatric Member

# motive

loin Date: Sep 12th, 2006 Newport Coast, CA Location: 2013 VW GTI 2DR DBM Vehicles:

thanks man, they do look pretty dark already

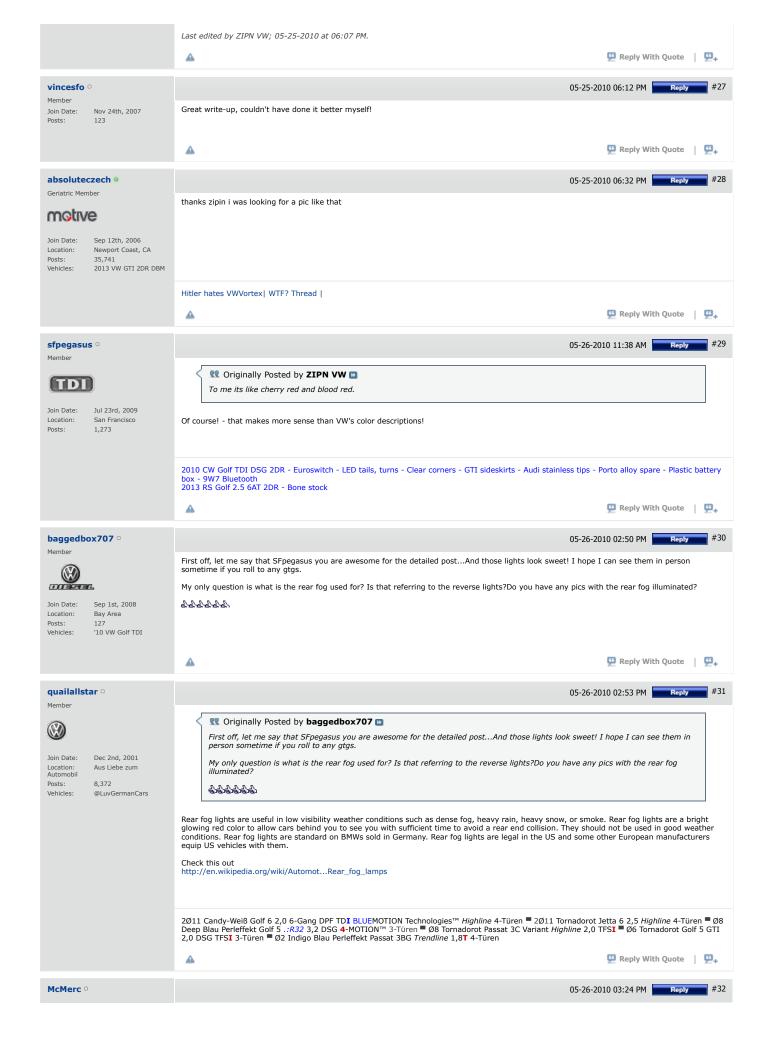








To me its like cherry red and blood red.



Member

GTI

Join Date: Apr 29th, 2006 SoCal Location: 774 Posts:

Will need this soon. Thanks for sharing Zipn.. Could you post more picture of your car with the new LED tail.

 $\Delta$ 

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05-26-2010 03:28 PM Reply #33



### sfpegasus o

Member



Jul 23rd, 2009 Location: San Francisco 1,273 Posts:

Criginally Posted by baggedbox707

First off, let me say that SFpegasus you are awesome for the detailed post...And those lights look sweet! I hope I can see them in person sometime if you roll to any gtgs.

My only question is what is the rear fog used for? Is that referring to the reverse lights?Do you have any pics with the rear fog

*ಹಿತ್ತಿತ್ತಿತ್ತಿತ್ತಿತ್ತ* 

/blush :p

gee thanks but ZIPN VW deserves all the credit for this outstanding write-up.

I'm just an interested observer.

FYI - this picture clearly shows the rear fog on the inner left side light



Last edited by sfpegasus; 05-26-2010 at 03:37 PM.

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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05-26-2010 03:45 PM



baggedbox707 o

Member

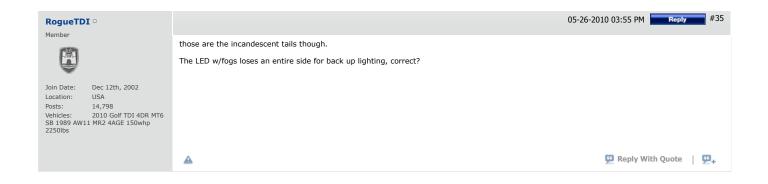


Join Date: Sep 1st, 2008 Location: Bay Area 127 Posts: '10 VW Golf TDI Whats the purpose/functionality of that rear fog though?

 $\triangle$ 

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