

Race Diagnostics Ltd

# liquidGOLF installation Manual



## **Required components**

Fully assembled liquidGOLF module.

One OBDII cable (supplied).

Small block of foam rubber, not supplied.

## Installation Instructions

First remove the existing vent from the car.



Take the light switch/dial out first (push it in, turn clockwise then pull)



Undo the two torx T20 screw holding the vent in place, then looking through the hole, at roughly 11 'o clock there is a clip. Pull the clip down, the whole unit will then become loose. Wiggle it until the top can be seen then push the clips down and pull the vent out.



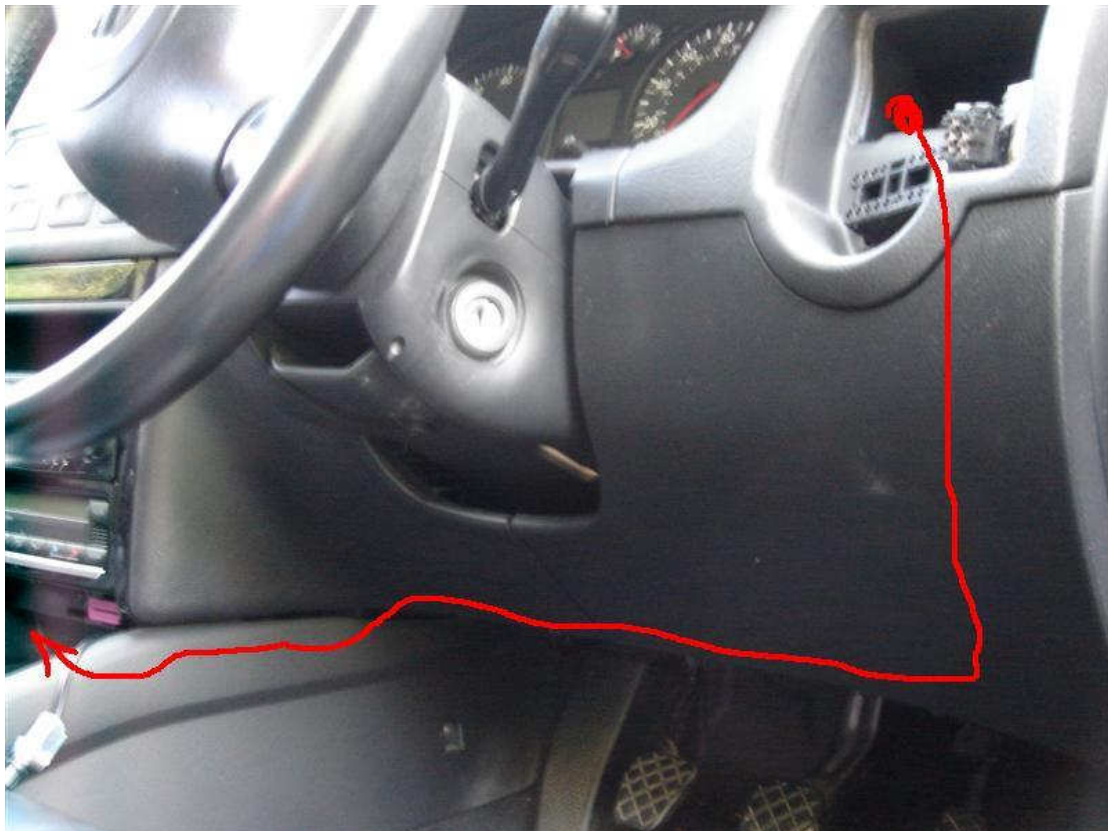
With the vent out disconnect the wiring for the control lighting and also disconnect the dual adjuster dial .



Refit the control wheel to the new vent.



Next the cable needs to be threaded behind the dash to the OBD2 connector, its rough position is shown below by the red line.



Remove the ashtray. Pull out the ashtray and undo the T20 screw beneath then lift out the unit while unplugging the lighter wiring.



To help rout the cable you should unscrew four T20 screws, 3 along underneath the steering wheel and one on the side of the centre console.



Push the OBDII end of the cable in through where the light switch plug is and feed it down and bring it out where you've just unscrewed.



Now feed it along and push it back in under the steering wheel trim and when you get to the centre console, pull it out slightly and push the OBDII plug through the gap (yes it will fit).



Put your hand through where your ashtray was and fish it out.

You can now either go one of two ways, either plug it the cable into the OBD2 connector as is, or go for a stealth mount option.

The downside with the former method is that the OBD2 cable connector will remain on show.

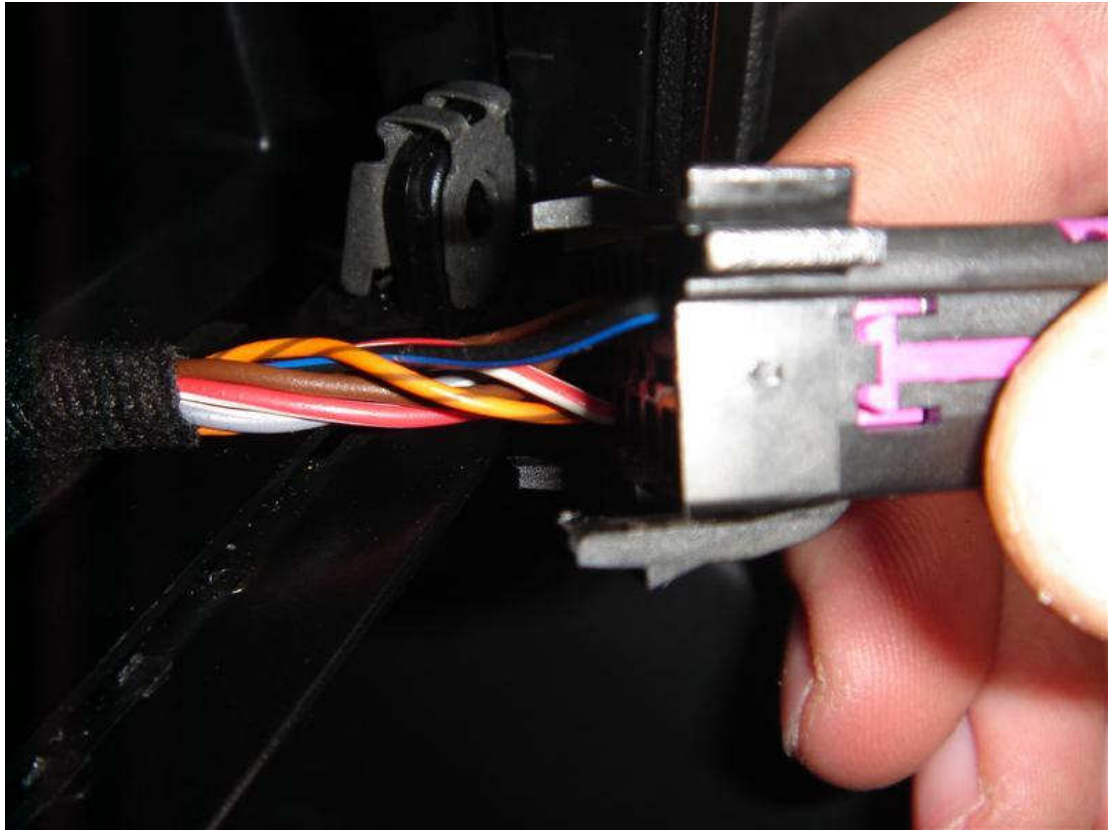




The alternative is to go for the stealth mount option by removing the OBDII port from the console and pushing it back behind the fascia.



There is a hook on the top and two on the bottom, pull them towards the centre of the plug to loosen the port then push through into the console.







The OBD2 port cover can then easily be replaced.

Reassemble the ashtray remembering to reconnect the cigarette lighter. The ashtray lid will still open and close as if nothing has changed.

Replace the 4 screws back in under the steering wheel ensuring that the cable is inside and not showing.

Plug the ribbon cable lead from the liquidGOLF into the OBD2 cable. Take care to support the unit at all times and don't let it dangle like this.



To stop hot/cold air leaking behind the dash cut foam rubber and fit into the air duct.

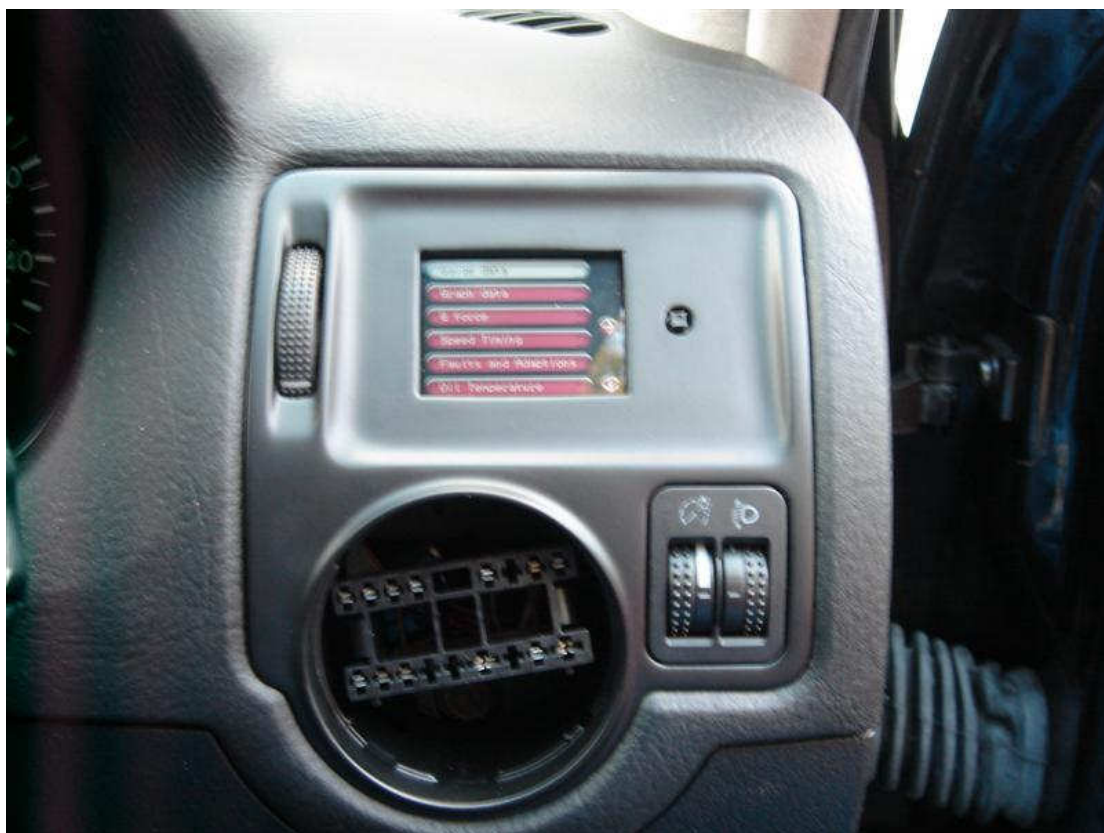


Care needs to be taken with the next part of the install.

The rear of the vent goes into the hole where the air comes out, but we want the cable to go through the light switch hole below.

You must fold the ribbon cable round the bottom of the vent and then slowly feed the OBD2 black cable back through the light switch hole and feed in the ribbon cable through it too. This has to be done while reconnecting the dual dial levelers plug and making sure the light switch plug hasn't dropped inside the dash and is poking through the hole ready to be replugged back in!

Once you've done that you push the vent back into place and replace the torx screw.



Once in place, plug the light switch dial back in and then carefully slot the dial back in its hole making sure you don't hit the LG cable!

All that then remains to do is to test your lights all work, also open the door and listen out for the alert for leaving your lights on.

The completed unit will then look like this.

