

Toureg rear fog light installation , compiled by Club Touareg's shersmith

This is a tedious, but not technically difficult project, possibly not for those who have no experience with the tight fit and cramped workspace of VW/Audi trim and electrical systems. Having a few extra plastic pins to replace those which might get broken in removal would be useful.

Parts needed:

- 2 pins. I scavenged two pins out of the pink modular plug that is next to the Comfort Control Module. There were several, and if I ever need that plug, which I doubt, I will replace them as needed. However, I do not recommend doing this. The pins are delicate, and easily bent. In the time I spent getting them opened, cleaned, and realigned, I could have finished the project. Also they are almost impossible to remove without destroying the plug. I suggest you get them new from a dealer, or cannibalize an old harness from a wrecked VW. There appear to be two sizes of these duckbilled pins, and you need the larger on both ends.
- About 12 ft. (4m.) of 18 or 20 gauge stranded wire.
- Bulb - P21, 10watt European brake light (single filament) bulb available from most auto parts stores, or from a VW dealer, part number N-017-732-2.

(VW dealers apparently also sell a pin and wire set, part # 000-979-133)

Special Tools needed:

- #20 & 25 Torx screwdrivers
- piece of stiff wire (coat hanger)
- crimping tool

Do It:

Remove the trim piece from the top of the tailgate opening, and both D-pillar trim pieces. Pull all three of these pieces pull straight out, to avoid breaking the plastic pins. The D-pillar covers seem to come off easier if "peeled off" from the outside in. If the trim strips break loose, with their plastic pins still embedded in the sockets on the frame, pry the pins out with a claw hammer, and insert them back into the trim pieces.

Unscrew the cargo net holder from the left side of the roof panel near the C pillar, to allow the left side of the headliner to drop further.

The rear edge of the headliner is held up by two clips, which snap free from the roof. Be careful with these clips, I broke one, but was able to repair it with super glue. As you lower this liner, note a small black horizontal panel in the rear left roof. Snap this panel downward (leaving attached at the outer edge) for easier access to the grommet(s).

The Comfort Control Module is located in the right rear compartment. Remove the screw in the cargo net socket in the upper rear corner of this panel. You do not have to completely remove this panel. With a little bit of care you can just pull it back. I also unbolted the seat back post from the upper front corner of this panel, which allowed it to swing out further for better access. I also inserted a 10 inch (25cm) length of dowel to

hold the gap between the panel and the module bracket widely sprung open, to free both of my hands to work on the module.



fig 1 Panel released and swung open.

Before starting the next step, remove the three metal clips from the top edge of the side trim panel, and insert them back on the metal rim next to the window. This will make the replacement of the panel much easier.

Two Torx screws, accessed through the top, hold the Comfort Control Module in place. Remove them, so that you can slide out the module. You may need to look in through the side window to see the rear screw location, or use a mirror. An alternative is to pry out a plastic pin, to the top left of the CD changer location, from its hole, and then slide out the module. Disconnect the rear-most plug from the outboard side of the module as you look down on it. This is a really tight squeeze, as the wires are short. Passing the plug & harness outward and up to the top surface of the module bracket may allow you to work on it with more slack. The top row of pins on this plug are numbers 9, 10, 11, & 12. Plug into pin #10, second from the left on the top row, next to the pin marked 9 on the rim of the plug. From the picture below you can see a Grey/Black wire in this location. After the wire is crimped on, the pin is inserted from the back of the plug. Getting the pin into the right slot and locked requires elevating the pink locking tab on the bottom of the plug with a small screwdriver, inserting the pin until the barbs snap into position with an audible "click", and pressing the pink tab back into place. Replace the plug in the module, reinsert the module in the bracket, and screw down.

(When you get down to the smaller plug on the tailgate light carrier, there is no tab mechanism, just an easy snap-in.)



fig 2 Screws removed and module swung out and forward, revealing the rearmost plug. Note the gray wire plugged into the pin #10 socket. NOTE: This is NOT the upper left corner socket, which has a number 9 next to it!

Route the wire up the D Pillar and onto the headliner. Be careful here not to attach the wire to the Air Bag line, but rather wire tie it to the sunroof drain line.

Replace and reassemble the side panel, being careful to spring its outer edge onto the clips, which you replaced on the window ledge.



fig 3 Panel reassembled, and wire routed up the D pillar and onto the headliner



fig 4 Wire runs across the headliner, and forward toward the grommet

There is a black plastic cover on the left side under the headliner that gives you access to both sides of the grommet that you need to pass through. It simply unclips and pulls down. This will allow you to use a curved piece of coat hanger, or other stiff wire, to pierce one of the two grommets, and pull the wire through to the tailgate hinge space.

Once there, you need to run into the rear tailgate. There are two covers that hide the wire loom that you can attach to. One is the cover on the upper left side of the tailgate. Slide off the two plugs, remove the screws, and the cover will drop off.



fig 5 Slide the plugs toward their square end, to expose the screws



fig 6 Wire harnesses exposed

This will allow you to open up the plastic cover enclosing the wire loom against the hinge. Tape your wire to the existing wire bundle, down to the grommet on the side of the tailgate.

Remove the access panel behind the tailgate lights, and once again, using your stiff wire passer, perforate the grommet on the side of the tailgate, and pass or draw the wire down into the space behind the lights. Cut the wire to the correct length, crimp on the second pin, and insert the pin into the empty space for pin #2 on the tailgate plug, until it clicks.

Remove the bulb carrier, install the bulb, reinsert the carrier in the tailgate, and replace the plug on the carrier.

Button everything up, and you should be good to go, though you probably want to test the circuit before closing up all of the panels.



fig 7 This is how it should work!

Post Installation:

There are two issues to deal with now, hardware and software. The forums suggest that you want to do the VAG changes before activating the circuit, in order to avoid receiving an error message on your MFI. Perhaps this is not necessary, but only needed to activate the telltales (see below). Vehicles vary.

Hardware:

If you have a North American car, you will need to swap to a Euro style headlight switch, which gives you a parking lights (only) option in front, and a double pull option for fog lights, first position for fronts, and second position for the rear.

To swap out the old headlight switch:

- push the movable part of the switch into the switch housing.
- turn it clockwise a few degrees, i.e., one o'clock.
- pull the entire unit straight back and you're home.

Software:

You already have a green telltale fog light on the speedo for the front fogs. For the rear, the '04 Toureg has a telltale in the speedo, located under the needle in the "0" position; in my '05, that position is occupied by a trailer turn signal telltale, active only with the factory tow package.

In order to activate this telltale, if you have it, you must VAG the comfort module as follows:

To activate the rear fog utility:

- 1) start VAG-COM
- 2) click: "select control module" button
- 3) in Direct Entry box type: 09 (Elect. Ctrl)
- 4) click: RECODE 07 (Recode)
- 5) In the Software Coding box should be a number such as 0105695, Add 32 to the existing coding (new number such as 0105727).
- 6) click: DO IT.
- 7) click: CLOSE CONTROLLER, go back
- 8) click: GO BACK

Now your yellow telltale will come on with the rear fogs.

If you do not have this telltale, you can get one by adding a diode to the rear fog position in the Euro headlight switch by following the link: <http://irc.junlist.org/fogmod/index.html>

Further modification of the switch, if needed, can be found at the link, <http://irc.junlist.org/fogmod/foglighticon2.html> contained in the previous article.

References:

Other than the commentary based on my experience of one installation, nothing in this article is original. The majority of the original information was published by Spockcat and Denver Bill on the forums at VWVortex and Club Touareg. All photographs were copied from Denver Bill's submission to the former.

Please seek further amplification from these forums.

You can Google many sources for the Euro headlight switch; I have used <http://www.tregcentral.com/> There are other suppliers as well.