

Race Diagnostics Ltd

# líquidLEON installation Manual

## **Required components**

Fully assembled liquidLEON module.

One OBDII cable (supplied).

Cable ties (supplied).

## **Tools required:**

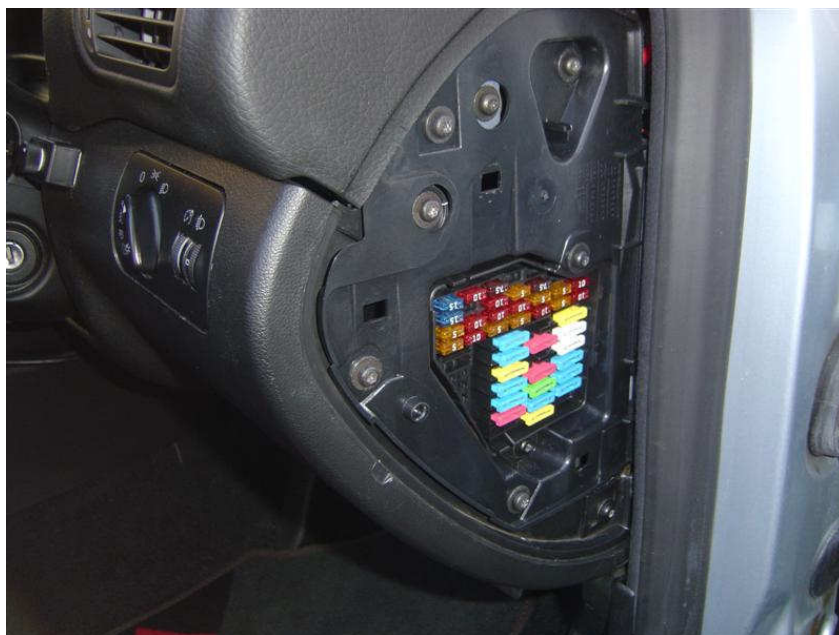
T20 Torx bit and driver

Flat blade screwdriver

## Dashboard panel removal

First task is to remove the lower dashboard panel, to allow access to the rear of the air vent and allow OBDII cable routing.

To remove the lower dash panel first open the drivers door and remove the fuse holder cover:



Remove the T20 torx screws holding the fuse cover to the dash:

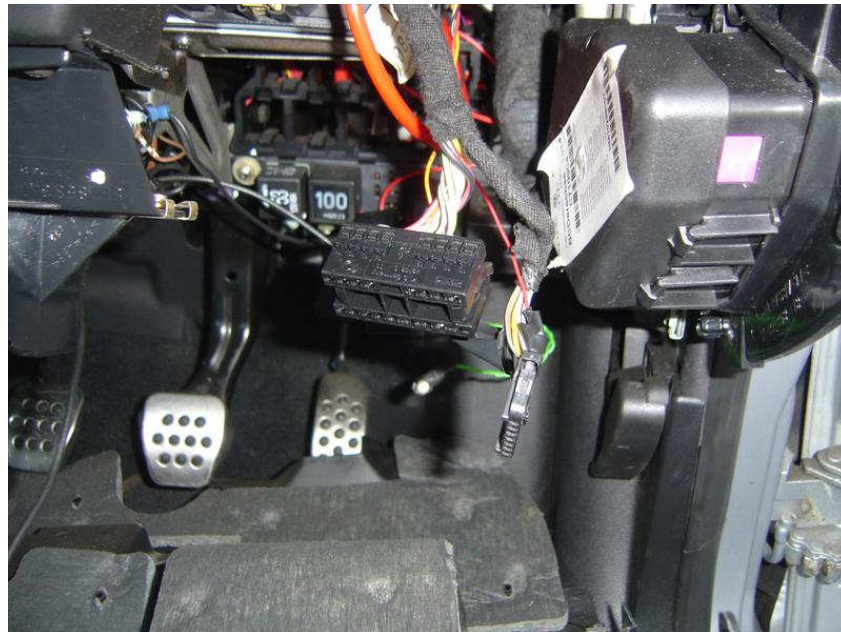


Now remove the remaining three T20 screws from the lower dash itself (one above cubby hole on the right and two on lower left side).

The lower dash panel should now pull away, a bit of force is required to un-seat the clips. Be careful as the light switch and adjuster are still connected:



Push the tabs in on the rear of the two electrical plugs to release them, the lower dash panel can now be removed:



## Gauge Installation

The next task is to remove the old vent, carefully insert a large flat blade screwdriver behind the vent surround and lever gently forward:



Once started it is then easier to use fingernails to get a grip of the vent and slowly ease it forward from the top and bottom at the same time. You should now be left with a hole like this!:



With the vent removed it should be possible to pull away the ducting from behind the vent (put your hands up from under the dash) to allow the ribbon cable for the gauge to be fed through:



If keeping the flap in the vent, I found the best place to route the ribbon cable was to the centre of the top side of the ducting.

Pull the ribbon cable through enough to bring it out underneath the dash, and then offer up the air-vent with the slats removed.



Be careful not to pinch the cable as the vent is inserted, some electrical tape may be used to protect the cable where it feeds through the ducting.  
Connect the plug in the vent to the gauge itself and insert into dash:



## Cable Routing

The next ask is to route the OBDII cable from the ECU diagnostics port to the gauge. Remove the cover from the OBDII port located in front of the gearstick, You may find it easier to remove the ashtray as well to aid cable routing. The ashtray can be removed by removing the single posidrive screw at the top and unclipping the cigar lighter plug from the rear of the socket:

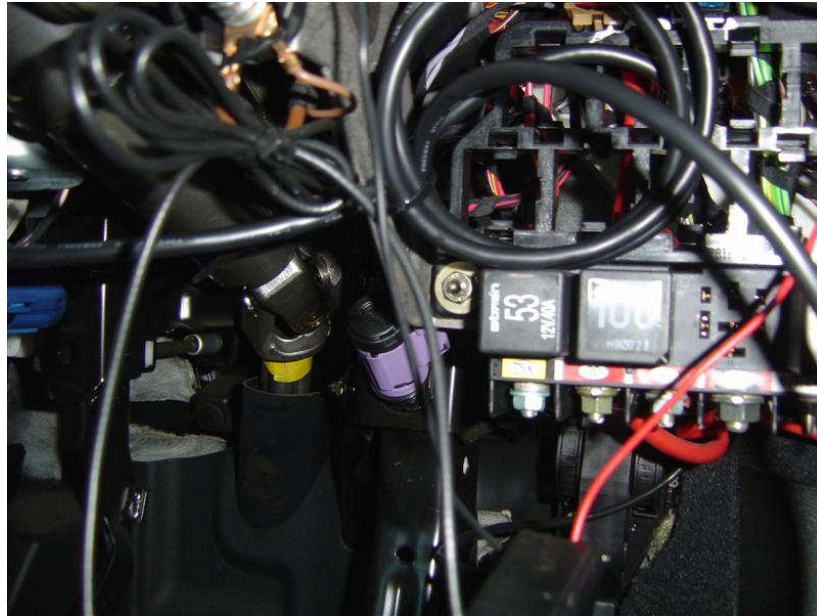


Connect the OBDII connector to the port and route through the centre console as shown:





Route the cable under the steering column and coil up and secure any excess cable using a cable tie to the area above the relay plate:



Connect up the gauge and check its operation. Use an additional cable tie to secure the D-socket to the existing light switch loom to prevent strain on the gauge ribbon cable.

Re-install the lower dash panel, ashtray and fuse holder.

Finished installation:



