

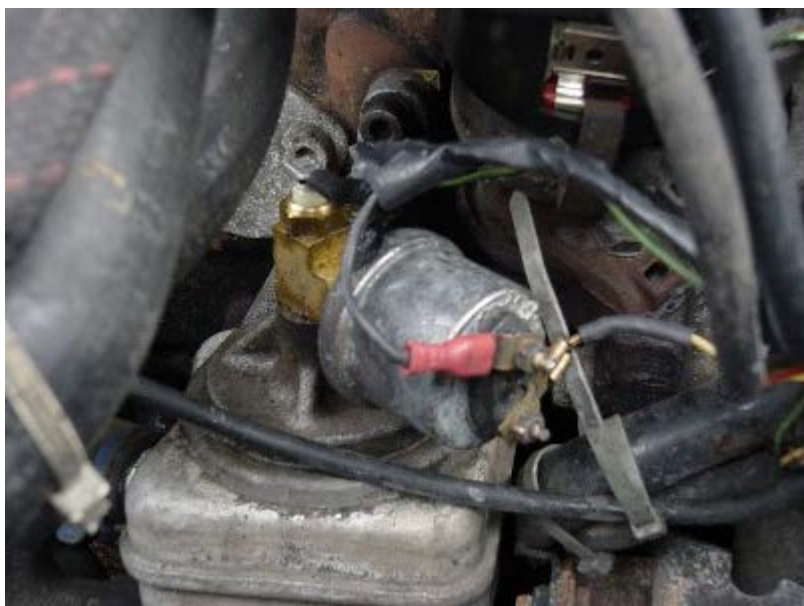
## Installing VDO Gauges

First of all you will need some VDO gauges from an Audi coupe, quattro or 80, a 't' piece adapter, which is available from [www.bigboyztoyz.co.uk](http://www.bigboyztoyz.co.uk), an audi twin pole oil pressure sender (you should take this off the audi you get the gauges from) also get an oil temperature sender from vw. A mounting pod or plate to hold them in and finally some wire to make a loom with and assorted spade and bullet connectors. (note you dont need the 't' piece or additional temp sender if you arent fussed whether you mfa works or not, the 't' piece just enables you to have two gauges but isnt essential.)

The gauges look like this



The twin pole sender and the 't' piece looks like this



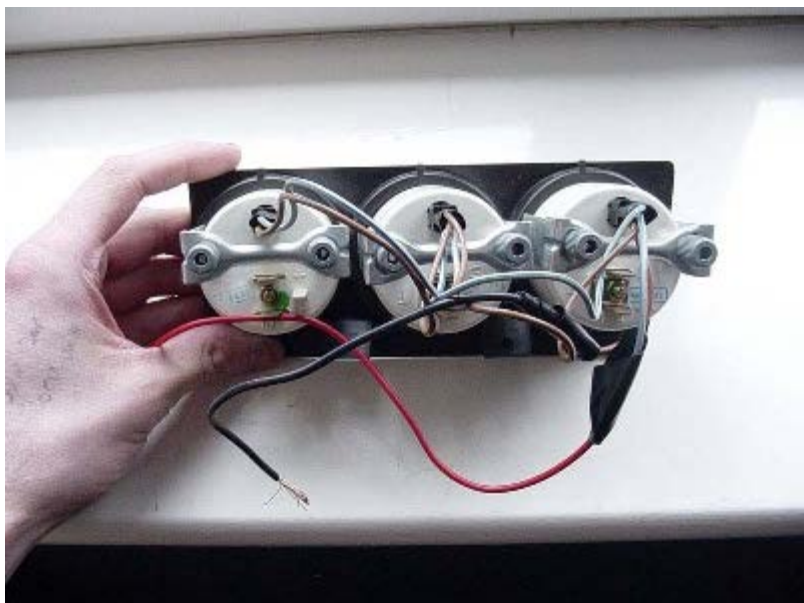
1. Right first we will start under the bonnet and get the sensors in place. Look at the front of your engine on top of the oil filter housing is two senders with one wire going to each, remove both of these from the mount and discard the bigger of the two because this is the old temperature sender. Note which color wire went to which sender, on my car green and black was the oil temp and yellow was the pressure. Next screw the 't' piece into one of the two holes, screw it in firmly or oil will leak, into this screw one of the temperature senders and the twin pole audi pressure sender, connect the relevant wires to the relevant senders, in the case of my car the green wire went to the temp sender and the yellow went to one of the posts on the audi sender. Now screw the remaining temperature sender into the remaining hole on the oil filter mount, you should now have something like this



Now you need to run some wires from the other post of the audi twin pole sender and the temperature sender through the bulkhead and into the passenger compartment. You will need to connect the wires to the senders with spade connectors, i suggest you tape the wires together and run them neatly round the engine bay being careful to keep them away from hot and moving parts. I colour coded them to make connecting them to the gauges easier, i used red wire for the temperature sender feed and black for the pressure sender feed.

2. you should now have two wires dangling in your passenger compartment, so lets make something to connect them to!

Lay all three gauges face down in the order you would like to see them in the car. (I put mine Pressure/temp/volts) On the back of the pressure and temperature gauges there are three poles to connect wires to, +, - and G. G is where you connect the single wire from the sender to.





You have to wire the gauges in series, so connect a spade connector onto the end of a piece of wire (make sure its long enough) then on the end of that connect another spade connector but this time with put another piece of wire in to the spade connector aswell, then do the same one more time but leave a 'tail' on the end cos this you will connect to the cars +/- circuits. Do the same with the - poles as well and if necessary the lights at the top exactly the same way.

It should end up looking something like this:



3. Next connect the wires from the senders under the bonnet to the relevant terminal on the relevant gauge, and mount them in the holder/pod of your choice using the 'u' shaped metal brackets that should be with your gauges (i wont go into details of how to do this because there are loads of different ways to mount them, its up to you really were you would like them) Then connect the live and earth wires of your gauges into an ignition live wire and any earth, i just cut the end off the cigarette lighter wires cos i dont smoke, this gives you illuminated dials you can adjust from the dial on the headlight switch!

This is a picture of the gauges mounted in the centre console (Mounting plate available from [www.awesome-gti.co.uk](http://www.awesome-gti.co.uk))





and this is a pic of the metal brackets and how they work



Happy installing!