



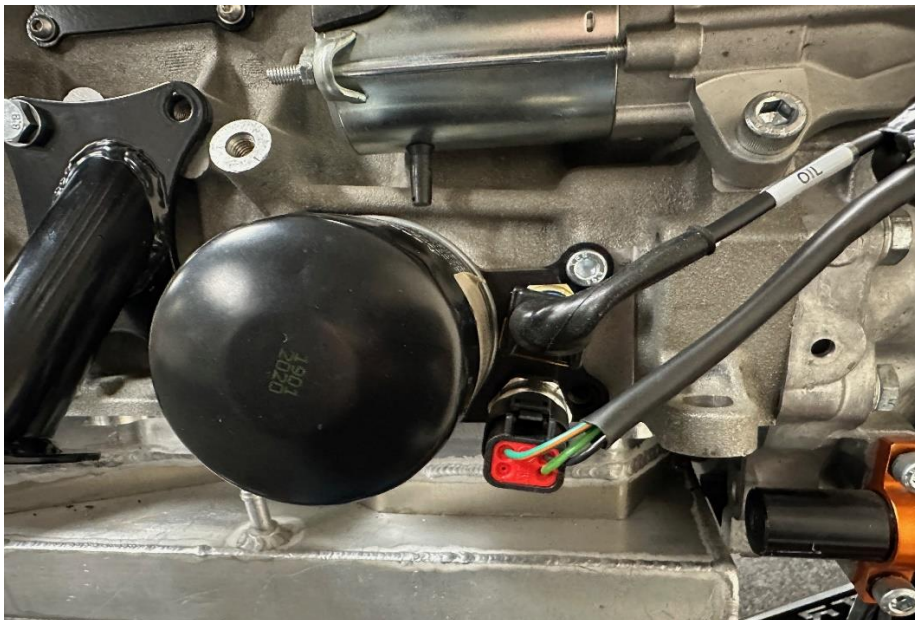
## Duratec Oil Pressure Sensor configuration

There are 2 different Configurations depending on choice of gauges, between Smiths and GBS (ETB instruments) Gauges.

### Smiths Gauges

The Smiths gauges utilise a 0-5v Sensor, with allows us to spare the signal for both the gauge and the ECU. This option is straightforward. Using 1 sensor for oil Temp (Top one) and 1 sensor for oil pressure as pictured.

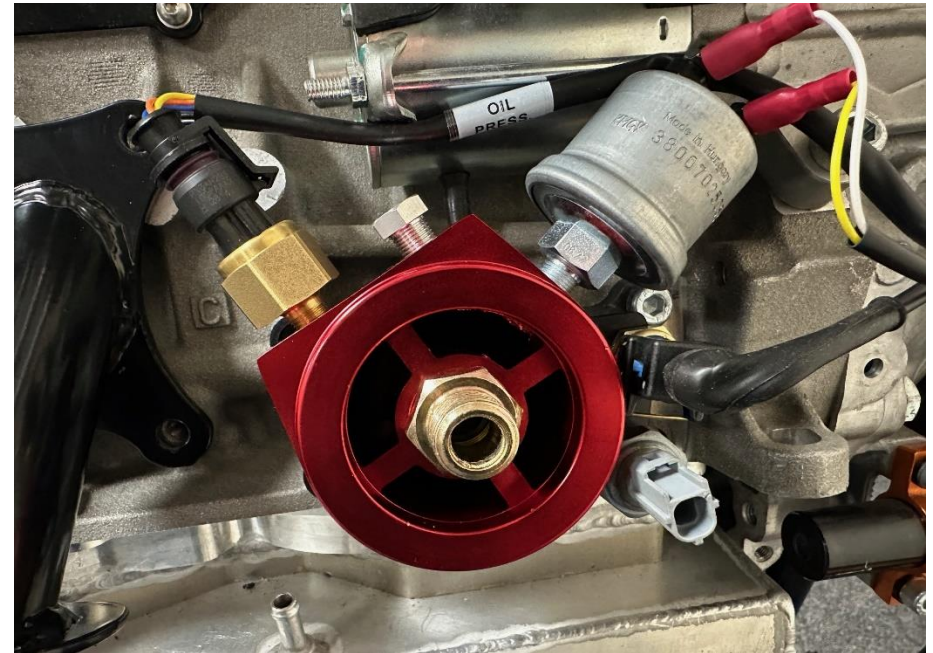
***All engine harness up to Nov 2023 were supplied for Smiths only. (Modification will be necessary if using the Later Spec GBS gauges with previous harness)***



## GBS Branded Gauges (ETB Gauges)

We have taken the decision to move forward with GBS gauges for several good reasons. However unfortunately we now must run 2 oil pressure sensors. Whilst it's not 100% essential for a 2<sup>nd</sup> sensor for the ecu, we have found it be extremely useful and is a major part of the engine protection strategy with the ECU and could save an expensive engine rebuilt.

See below for revised Engine Harness and additional parts. – Take off plate, blanking bungs, Honeywell High quality motorsport sensor.



We blocked off the 1/4Npt original hole with the standard oil pressure switch supplied with engine. Or if you prefer you could install the new 0-5v sensor in it place using the 1/4Npt to 1/8Npt adapter supplied with the gauges (as below).



This is the same process when fitting an Oil cooler. It just uses a different take off plate and uses the 1/4npt to 1/8npt adapter supplied with the gauges installed into the billet oil housing.



Adapter as supplied with gauges.





### Customers with Old Harness & ETB Gauges.

There are a few different possibilities depending on what sensor you have been supplied. Please get in touch to discuss in more detail.

We strongly recommend we make the reverent modifications, if and when your cars return's to GBS for IVA. There is a small amount of work including replacing connectors, separating and extending the harness. Supply new sensor and updating the Ecu Calibration.

If supplied a Smiths Style sensor, you can retain the 4 Way Deutch DT04 plug. There are 2 Yellow wires going into 1 of the pins. These will need to be separated, and the correct gauge wire needs to go to the new GBS larger sensor.

If supplied the new style brass sensor, you will also need a 3-pin connector and will have to extend the wiring harnesses.

### Parts:

Part Name	Part Number	Qty
Billet Oil filter Take off Plate		1
Take off plate 1/8NPT blanking Bungs		2
Honey 100PSI 0-5V PX3 3PIN Sensor		1
3-pin Metri-pak connector		1