

Wizards of NOS

Pressure Gauge & Switch Fitting Instructions



Nitrous gauge



Pressure switch



T piece



Adaptor



Dowty Washer



Internal seal

Assembled Auxiliary Components



Pic 1.



Pic 2.



Pic 3.



Pic 4.



Pic 5.

Suitable sealants



Component sealing & assembly

When joining 2 '**components**' (as opposed to a pipe to a component), regardless of the thread sizes and whatever the purpose, the following instructions apply.

The same principles apply to ALL types of application (water, gas, hydraulics, pneumatics, etc) but particularly apply to nitrous and fuel as they are so hard to seal due to the pressures and chemicals involved, etc.

ALL THREADED COMPONENTS should be sealed by one or more of the following methods and with WON components proceed as follows;

1) A small black compressible internal seal (as shown above) is supplied with all major WON components (gauges, transducers, switches, etc), that is intended to fit inside the female fitting (Pic 1) and a make seal between the end of the male component and the bottom of the female fitting, as they butt together as shown in Pic 2 & 3.

Occasionally this type of seal is not suitable and in such cases we supply components which have an integral restrained 'O' ring or we supply a Dowty type sealing washer (as shown above), that should be fitted between the flange on the male threaded component and the top face of the female component (Pic 5) and seals as shown in Pic 4.

2) Just before screwing the components together a **suitable 'liquid' sealer** (**liquid PTFE NOT tape** being the most suitable), should be applied (**sparingly**) to the threads of the male component.

IMPORTANT NOTE; The first thread or two should be free of sealer and there should not be so much applied as to cause a drip. Excessive sealer can cause blockages and result in major failures - remove ALL surplus sealant with a cloth.