

Wizards of N10G

CURING A PULSOID LEAK DUE TO DIRTY NITROUS OR FUEL



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Although nitrous Pulsoids are fitted with very effective filters, to allow adequate flow they can't be so fine that they prevent all particles of dirt from getting through and as a consequence there is always a risk of a particle of dirt getting trapped on the seat and causing a leak.

WON utilises a unique seal material that repels dirt impregnation (to minimise the risk of leaks and any such leaks being permanent), which has a degree of elasticity that helps achieve a seal, even in the event of a dirt particle getting caught on the seat.

However, despite all the above efforts to minimise the risk of leaks caused by dirty gas, there is still a small risk that dirt will get through the filter and stuck on the seat causing a leak.

Customers should minimise this risk by either filtering the gas fills themselves when DIY filling or insist on the supplier filtering the gas as they fill the bottle.

In the case of fuel Pulsoids, we do not fit filters for the following reasons;

- 1) The filter may gradually become blocked and restrict the fuel supply causing the mixture to run lean.
- 2) All fuel injected vehicles (which make up the majority of our customers) have much better fuel filters fitted as standard, than we could ever fit to our Pulsoids (due to the size), therefore an additional filter should not be needed.
- 3) Suffering a fuel Pulsoid leak due to dirty fuel and the lack of a filter, is the lesser of the 2 evils, as a leaking fuel Pulsoid can't lead to engine failure whereas a blocked fuel filter can.

IMPORTANT NOTE;

High flow nitrous Pulsoids (250 HP and above) are not fitted with filter as they are required to flow the maximum capability and a filter restricts the flow. Anyone who purchases a high flow Pulsoid should ensure no dirt gets in to the 'system' by using an extremely fine filter during the filling process - filters of any type should NOT be used in a high flow system.

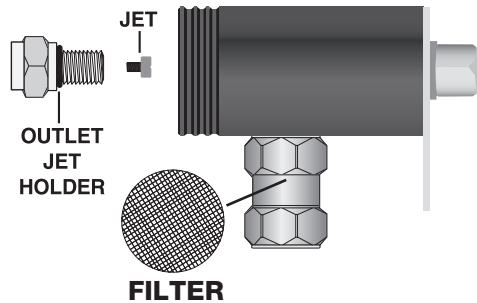
Filter Inspection

In the event of a leak caused by either dirty gas or dirty fuel, there is a high probability that the leak can be cured by carrying out the following instructions;

- 1) Remove the inlet adaptor from the Pulsoid inlet (2 x 17mm spanners are required for this job).
- 2) Using a small electrical screwdriver, pierce the edge of the nitrous filter and then rotate the screwdriver & filter anti-clockwise to unscrew the filter from the housing.
- 3) By suitably adapting the nitrous supply pipe to 4mm and connecting it to the Pulsoid OUTLET or by CAREFULLY using the supply pipe freehand (with the bottle inverted) or by using a high pressure air supply, briefly apply a reverse flow through the Pulsoid.

- N O T E -

The nitrous filter is a white element located inside the Nitrous Pulsoid inlet unit. Use two 17mm spanners to separate the nuts & access the filter. Replace for optimal flow.



Never remove the Pulsoid mounting stud or use loctite on the nut.

- 4) Rebuild the Pulsoid inlet (preferably using a new filter) and test for normal operation.
- 5) In the event of the leak not being cured, set the progressive control to 20% power and as long a build time as possible then energise the unit to pulse the Pulsoid.
- 6) If the Pulsoid still leaks, then it will need returning to us for inspection but if the leak is cured it should continue to give trouble free use indefinitely.

IN THE EVENT OF A PULSOID NEEDING TO BE RETURNED FOR CLEANING DUE TO DIRTY GAS OR FUEL, THE SERVICE IS NOT COVERED BY THE WON WARRANTY.