



## ***PMO Induction vs Weber carburetors***

PMO Induction utilizes aerospace quality castings, machining tolerances, and IDF jetting and float technology. This change was predicated on the IDF series, Weber's most modern carb design, and intended to cope with high performance tires and suspensions that cause fuel slosh and starvation issues with older carb designs, like the original IDA configuration. Replacement and tuning component parts availability and costs are significantly better in general for IDF components over the IDA series parts.

Original 46mm Weber carburetors simply have the throttle plate enlarged, where as PMO's have the entire throttle body enlarged from the top throat through the plate. Meaning the air flow capabilities of PMO Induction's carburetors are significantly improved over the equivalent size Weber. In addition, Weber never made a 50mm carb for large displacement or racing applications – PMO Induction does!

PMO Induction utilizes a one-piece, machined stainless steel throttle shaft, supported by large ball bearings for a lifetime of smooth throttle action. This is the single biggest issue with Weber carburetors. The Weber carbs suffered greatly with throttle shaft wear, air leaks, and binding over the years with increasingly degrading throttle plate action and performance. Weber throttles also suffer from heat soak that exacerbate the wear issues, this does not affect PMO Induction carburetors.

PMO Induction carburetors have a sight glass float bowl to allow for very accurate setting of fuel levels, much more simply and efficiently, over the Weber IDA method that requires partial carb disassembly.

PMO Induction carburetors feature a greatly improved fuel inlet system configuration. This provides significantly improved flow capacity and fuel delivery balance vs. the banjo set-up on the Weber carbs, which are highly prone to leakage and are capacity limited on high flow applications.

Several internal PMO Induction carburetor components are manufactured to extremely tight tolerances such as chokes, throttle plates, and velocity stacks that not only deliver improved performance but ensure very even fuel and air metering between each stack making tuning much easier.

The PMO Induction manifold runners are CNC machined vs cast manifold runners; thus, are highly consistent and accurate with all the above-mentioned performance and tuning benefits.

Simply stated all the known historical Weber issues were recognized and addressed when the PMO Induction carburetors were designed and manufactured.

Weber is a good product, but was a mass production design. PMO Induction carburetors are a highly engineered & designed product made to exacting standards, not feasible in typical mass production.

This is why we feel that PMO Induction carburetors are a superior product.