

# Installation of Extreme Velocity Pro Series dual needle and seat fuel bowls

## Installation and adjustments:

1. You will need to transfer your accelerator pumps from your existing fuel bowls to the Pro series fuel bowls.
2. Two sets of jet extensions stacked together will be required in the rear fuel bowl.
3. The fuel inlet is a #6 SAE O-ring thread (Earl's part # for #8AN EAR-985086ERL, for #6AN EAR-985006ERL)
4. After installing the jet extensions, you will need to check for clearance and or any binding or interference between the floats and metering blocks, jet extensions and power valves or boost referenced power valves and vent whistle. There should be a minimum of 1/16" clearance between the floats and any contact surface.
5. Now it is time to mount the bowls. They install the same as any typical Holley style fuel bowls. Use the provided mounting screws. Fresh gaskets are recommended.
6. Set the fuel level in the bowls by accessing the sight plug in the side of the bowl to the required level. Both floats should be adjusted the same amount. EX: ¼ turn to both needle & seats; ½ turn to both needle & seats, etc. Fuel should be flush to or slightly trickle out of the sight plug hole. The floats should never be adjusted so that the float "drop" or travel of the float is less than a full 3/8". This would prevent the float from dropping enough to fully open the needle and seat when needed.
7. Check and adjust the accelerator pump linkage if needed. If the linkage hits the side of the fuel bowl, bend it slightly to provide the proper clearance throughout its travel.
8. Be sure to check for any fuel leaks before driving the vehicle and anytime the fuel bowls are adjusted, removed or serviced for any reason.

## Warranty and disclaimer

These fuel bowls are designed for racing only. They are not for street use. It is the obligation of the purchaser to determine the proper use, application and maintenance of this product. Racing is a dangerous sport, and by purchasing and installing this product, you agree to assume all risk involved. At no time will Superior Airflow assume any responsibility for improper use, operation or maintenance of this product. Manufacturer warrants this product to be free of defects for a period of 30 days from the date of purchase, at replacement value only.

## Fuel flow rates

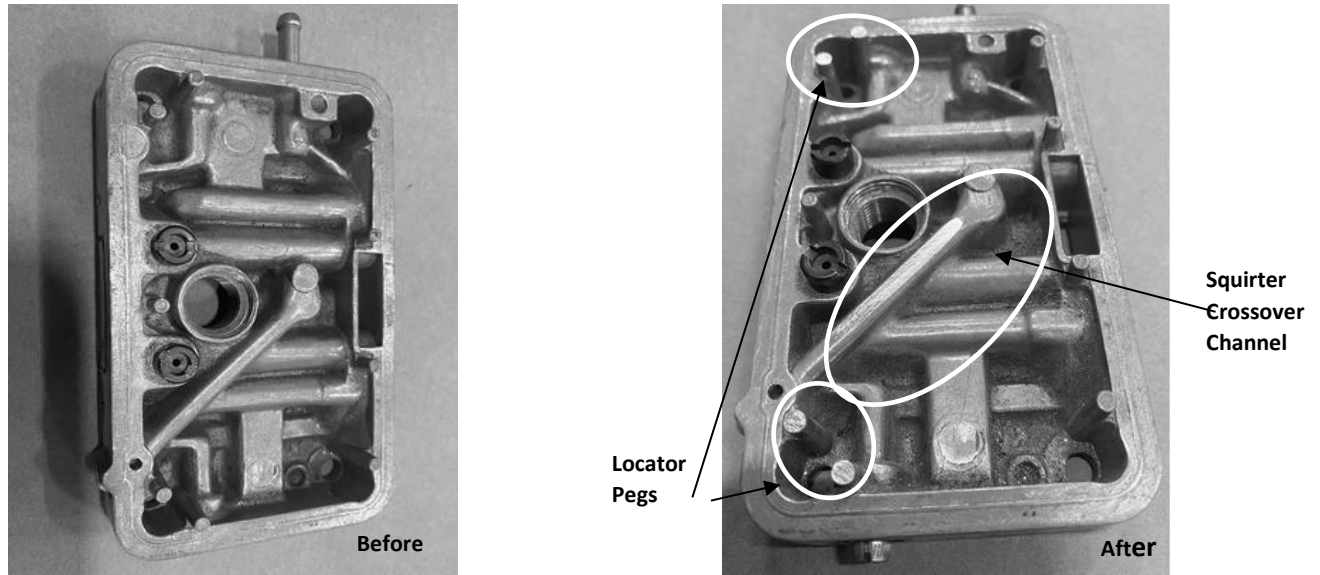
.130 needle and seats with 7psi base fuel pressure = 1300 lbs/hr  
.150" needle and seats with 7psi base fuel pressure=1700 lbs/hr  
.150" needle and seats with 9psi base fuel pressure=1960 lbs/hr  
.150" needle and seats with 10psi base fuel pressure=2060 lbs/hr

Replacement parts are available through [SuperiorAirflow.com](http://SuperiorAirflow.com)

# Installation of Extreme Velocity Pro Series Billet Fuel Bowls with Composite Floats

All Metering Blocks: Lower 4 locator pegs must be trimmed to a minimum of .080" tall – See Pictures below -Before & After

Die-Cast Metering Blocks Only: Squirter crossover channel must be trimmed approximately .030" - See Pictures below- Before & After



Do not exceed 7/16" (.437") diameter jet extensions. This includes across the corners of the wrench flats if so equipped. Jet & extensions should terminate approx. 1/2" from the back of the bowl.

Be sure to check for bowl interference to base plate and pump shot linkage. It may be necessary to slightly bend pump shot linkage to clear side cover of fuel bowl. This is very normal.

If you are installing our composite floats into an older set of our die cast bowls, additional clearance will be required to jet access plug boss. See Pictures below – Before & After

