



Aluminum *Velocity Intake*™

VelI-YFZ-1

Yamaha YFZ450

Warning: This intake is intended for performance in DRY RIDING CONDITIONS only!!!

Installation

This *Velocity Intake* replaces the stock airbox and intake snorkel and only works with the stock YFZ carburetor. Begin mounting by removing airbox, don't forget to unplug the crankcase vent hose from the left side. Keep in mind that before you are done the vent hose should be mounted (with either zip ties or wire ties) as high under the seat as possible. Ideally you should use a 1/2 inch clamp on breather; K&N 62-1010 is recommended. A cheap parts store PVC valve works also.

Note: During installation it is easier to mount the intake one section at a time: snorkel / intake / filter.

- 1) Mount the black silicon intake seal to the back of the carb, making sure it's slid as far as it can go before tightening hose clamp.
- 2) With the second hose clamp loosely in the inlet of seal, slide the aluminum intake into place.
- 3) Before tightening hose clamp use the supplied bolt to securely mount the intake bracket to the left front airbox mounting location.
- 4) Now tighten the second hose clamp around the seal and intake, visually inspect and re-tighten/adjust the snorkel to throttle body clamp at this time.
- 5) Last, you are ready to mount the air filter and pre-filter, make sure to slide filter completely onto the intake before tightening.

Jetting Recommendations

Carburetor adjustments are absolutely necessary to realize the power potential of your new *Velocity Intake*. The following are recommendations assume you are already using a performance exhaust system, with stage-2 jetting installed. The Keihin jets I suggest can be purchased at your local dealership for around \$6, and assume use near sea level (below 3000ft). Attempt initial tuning with no needle adjustment.

Note: Tuning is a science requiring patience and experience. While these recommendations should get your performance in the ball park they are just suggestions and may need some tweaking to fit your application.

Performance exhaust with stock header/camshaft/etc:

175 main jet
48 Pilot Jet

Remember the YFZ main and pilot jets can be changed through the access plug at the bottom of the float bowl!

Complete exhaust system (header and pipe) with possible additional modifications:

180 main jet
48 Pilot Jet

Replacement Filter

	<u>Filter</u>	<u>Outerwears</u>
Standard K&N-	RU-0620	20-1010-01
Large K&N-	RU-0640	20-1090-01
Uni Foam-	UP-6229ST	20-1049-01