



Aluminum Velocity Intake™

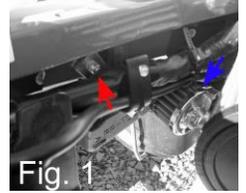
VelI-YFZREFI-1
Yamaha YFZ450R
Fuel Injected

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

This *Velocity Intake* replaces the stock airbox system and is designed to work with a stock YFZR throttle body. The crankcase vent box will be unplugged from the airbox; this intake does not have a provision for mounting into the intake tract. If you are not using a filtered breather the vent hoses or vent box can be mounted using the supplied bracket (see Fig.2 red arrow). Ideally you should use a 1/2 inch clamp on breather; K&N 62-1330 is recommended (shown in Fig. 1 blue arrow).

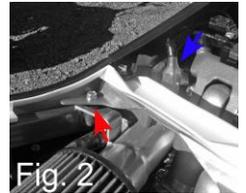
Disassembly & Crankcase Vent

- 1) Remove the seat, rear plastic, and steel cross bracket holding the front of the airbox.
- 2) Remove crankcase vent box from the left side of airbox, leave two hoses plugged in.
- 3) Unplug wiring harness from the air inlet temp sensor and remove airbox and stock snorkel.
- 4) Using the supplied aluminum bracket, 5mm nut & bolt, and 6mm nylock nut (use with stock long bolt used to mount vent box to airbox) mount the crankcase vent box to the left side of the rear tail frame. There will be an open/un-used hole on the rear frame which the 5 mm nut and bolt with attach through (Fig. 1 red arrow).
- 5) Suggested to use a 1/2 inch clamp on breather like a K&N 62-1330 (Fig. 1 blue arrow).



Intake Installation

- 1) Start by mounting the rubber intake coupler to the bent end of the new aluminum intake. There will be one side of the rubber coupler that will be slightly expanded to fit over the intake. Also mount the air inlet temp sensor to the top of the intake using the stock hardware and rubber o-ring. (Example of sensor mounted see Fig. 2 blue arrow).
- 2) With the rubber coupler and sensor mounted to intake and the supplied hose clamps loosely around coupler: install the intake onto the back of the throttle body. Check to see if the rubber coupler fully engages the throttle body, while the bracket lines up with the steel cross bracket mounting hole. Some adjustment and fit testing may be required.
- 3) When optimal fit of the intake and rubber coupler onto the back of the throttle body is attained tighten both hose clamps. While verifying the new intake bracket lines up with the steel cross bracket mounting hole located on the rear tail frame.
- 4) Now re-install the steel cross bracket using the supplied rubber o-ring sandwiched in-between the intake bracket and steel cross bracket (see Fig. 2 red arrow). The o-ring will allow the steel cross bracket to be tightened down and hold the new aluminum intake securely in place.
- 5) Now mount the air filter with pre-filter to the new intake and plug the wiring harness into the air inlet temp sensor which should be mounted to the new intake.



Tuning

Fuel injection controller settings for a Velocity Intake System should begin with the fuel injection controller manufacturer's recommendations and settings for a performance exhaust and open airbox. Then modify as follows

Low RPM Fuel adjustment:	0%
Mid RPM Fuel adjustment:	+2-4%
High RPM Fuel adjustment:	+4-6%

Replacement Filter

K&N p/n:	RU-0640
Outerwears p/n:	20-1090-01