



Aluminum Velocity Intake™

VelI-LTR450-1
Suzuki LT-R450
Fits all Model Years

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 the stock R-450 throttle body. The crankcase vent hose will be unplugged from the intake snorkel; this intake does not have a provision for mounting this. 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 ½ inch clamp on breather, K&N 62-1010 is recommended. A cheap parts store PCV valve works also.

Airbox Removal Tips

Remove the rear plastic, rear mud splash and muffler. Before removing the airbox unplug the wiring harness from the air inlet temp sensor that is mounted to the airbox. Also unplug the crankcase vent hose. The air inlet temp sensor inside the airbox can be removed after the airbox has been removed. Loosen the intake snorkel to throttle body clamp and un-bolt the airbox one bolt at each side. Now that the airbox is loose you will notice that it does not have much room to get out. Remove the intake snorkel from the loose (loose but still in the frame) airbox. The airbox should now be without the intake snorkel and loose inside the rear sub-frame. It is possible to jockey the airbox out without having to remove or even loosed the rear sub-frame. After the airbox is out you can remove the air inlet temp sensor from the airbox for mounting on the new intake.

Installation

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

- 1) Before installing the intake mount the inlet temp sensor on left side bracket of the new intake (the smaller bracket), using the supplied screws and nyloc nuts.
- 2) Mount the small end of the black intake snorkel (put both clamps on loose) to the inlet of the throttle body. With the bend pointed down making sure it's slid as far as it can go before tightening hose clamp.
- 3) With the second hose clamp loosely on the snorkel, plug the wire into the sensor and slide the aluminum intake into place, don't tighten yet.
- 4) Before tightening hose clamp use the supplied nyloc nut and bolt to securely mount the intake bracket to the right side airbox mounting location. Visually inspect the intake to snorkel insertion.
- 5) Now tighten the second hose clamp around the snorkel and intake, visually inspect and re-tighten/adjust the snorkel to throttle body clamp at this time.
- 6) Last, you are ready to mount the air filter and pre-filter, make sure to slide filter completely onto the intake before tightening. Get that clamp good and tight!

Replacement Filter

	<u>Filter</u>	<u>Outerwears</u>
K&N Performance-	RA-0610	20-1090-01
Uni Foam-	UP-6245ST	20-1049-01