

Ulmer Racing Venom Air Box Kit Installation Instructions

- Remove the left and right side panels and hood from the snowmobile.
- Now you have access to the air box itself, but before removing the air box, slide the aluminum velocity stack adapter onto the velocity stack, on the right side of the air box is where the external velocity stack will be installed and now suck fresh air into the air box
- Using the radiator hose and radiator as a guide, hold the air box adapter and velocity stack (slid together) against the air box and use a marker, pencil, etc to mark the location of where you want to drill the 3-1/4" hole, the velocity stack should be just below the radiator hose and right up against the radiator
- Double check your marked hole location is close by using the supplied template as well
- Remove the air box from the sled (3 clamps holding it onto the throttle bodies, two T25 bolts holding the radiator to the air box & two T20 bolts at the front holding the air box to the chassis)
- Remove the 10 T25 screws that hold the two air box halves together
- Double and triple check that the velocity stack adapter will bolt onto the location you have marked for your 3-1/4" hole to be cut
- Drill your 3-1/4" hole with a holesaw and debur all edges once drilled
- Now use several vice grips or clamps of some type to hold the aluminum adapter ring to the air box in the location where you drilled your 3-1/4" hole
- Using a 3/16" drill bit drill all 8 holes to mount the adapter to the air box
- Now loosely bolt 2 or 3 of the bolts to hold the outside adapter flange to the inner holding flange, once bolted loosely use a clamp clamp the two pieces together, with the plastic air box surface sandwiched in between
- Now install the three aluminum velocity stacks into the rubber boots inside the air box (silicone spray or WD40 will be required as they are a very tight fit), you will have to remove the one rubber air box boot and use a side cutters to remove the piece of plastic (see picture below)
- With the aluminum velocity stacks all installed, reinstall the plate in the air box and put the two halves of the air box back together
- The air box is now ready to reinstall in the chassis
- With the air box reinstalled in the chassis, now install the velocity stack and hose clamp to clamp it in place, lastly install the prefilter on the outside of the velocity stack



