

Installation manual

Water cooler kit

Yamaha Sidewinder / AC 9000



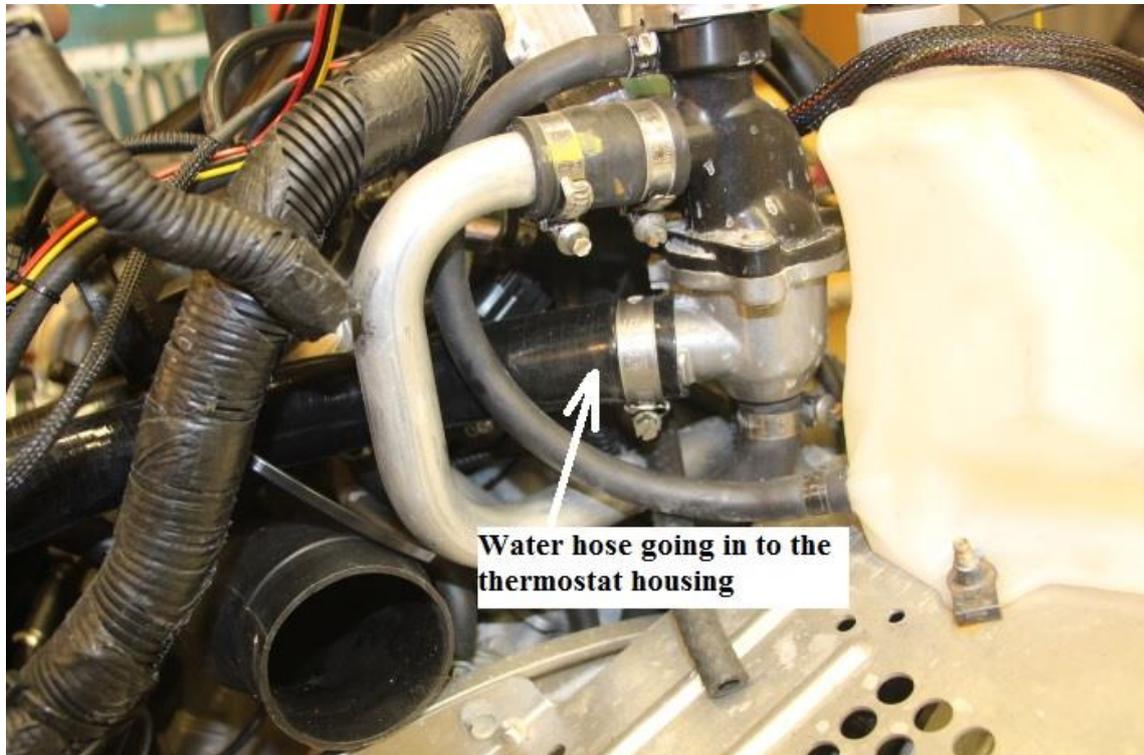
This cooler kit improves the cooling system on the snowmobile.

The fan starts when the water temperature exceeds 80 degree Celsius.

At about 95 degree C, the fan reach full speed.

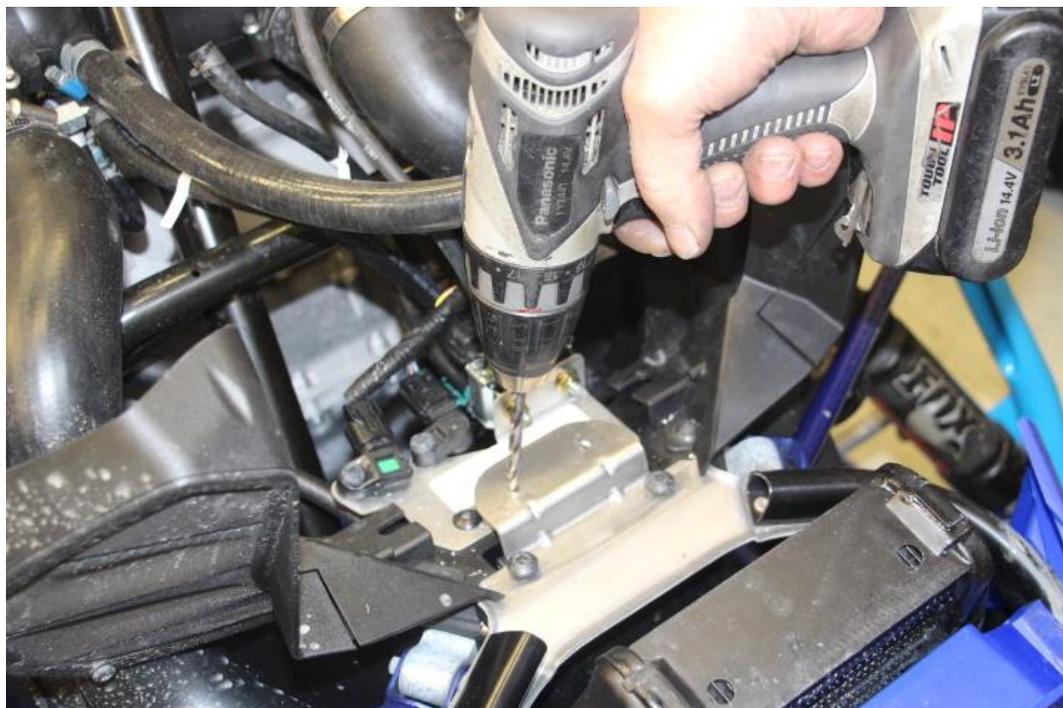
Begin the installation by removing the plastic intake manifold and the air filter plastic housing on top of the clutch.

Then remove the water hose going from the cylinder head to the thermostat housing. A small amount of water will leak out, but not much.

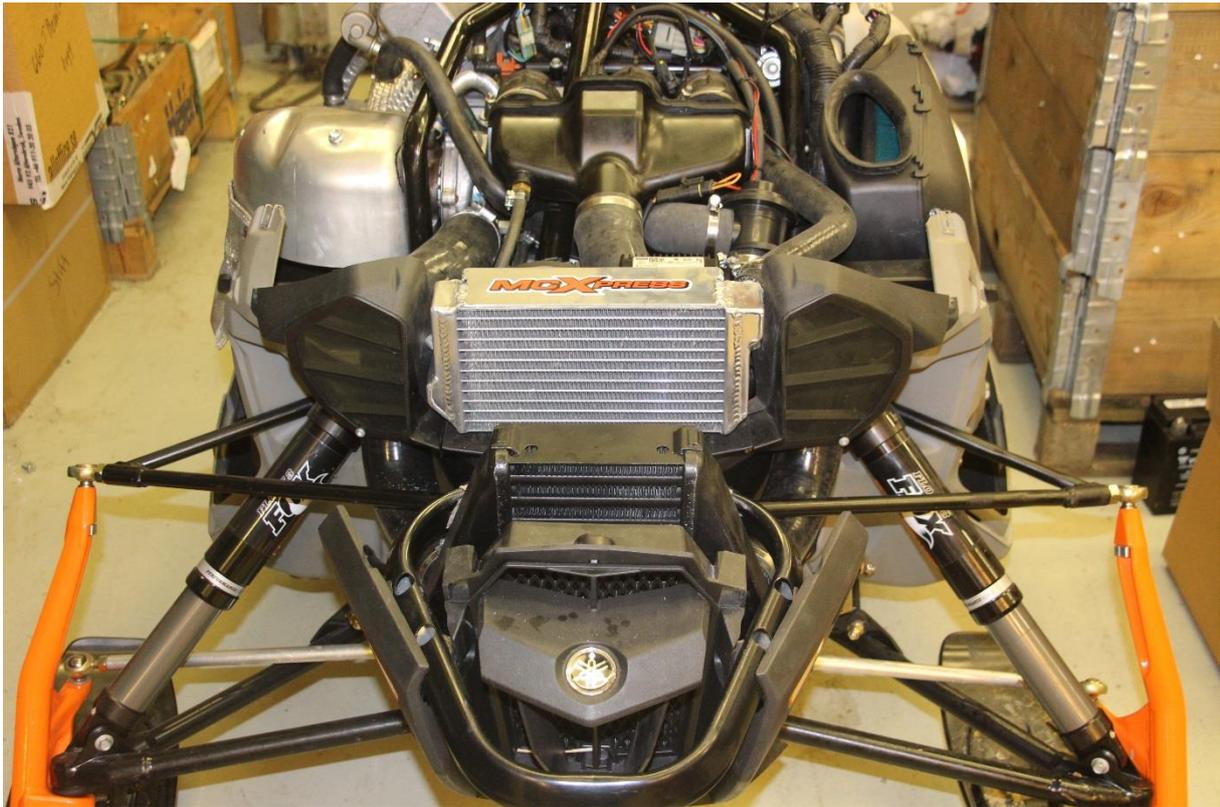


Water hose going in to the thermostat housing

Remove the plastic cover behind the intercooler.



The fuse box must be re-located. Drill out the rivets that keeps the fuse box in place. Make the holes 6,5 mm. Pins under the fan will be placed into these holes.



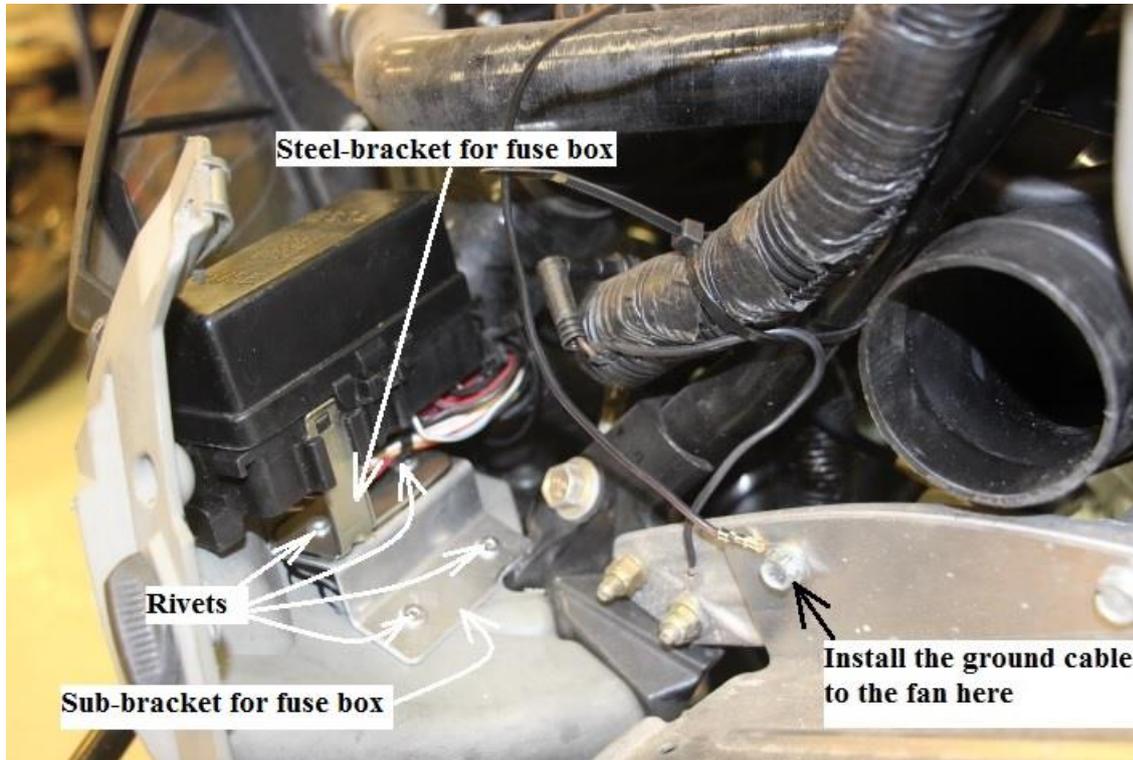
Install the radiator and fan like the pictures.

Fasten the radiator with one M6 bolt from each side.

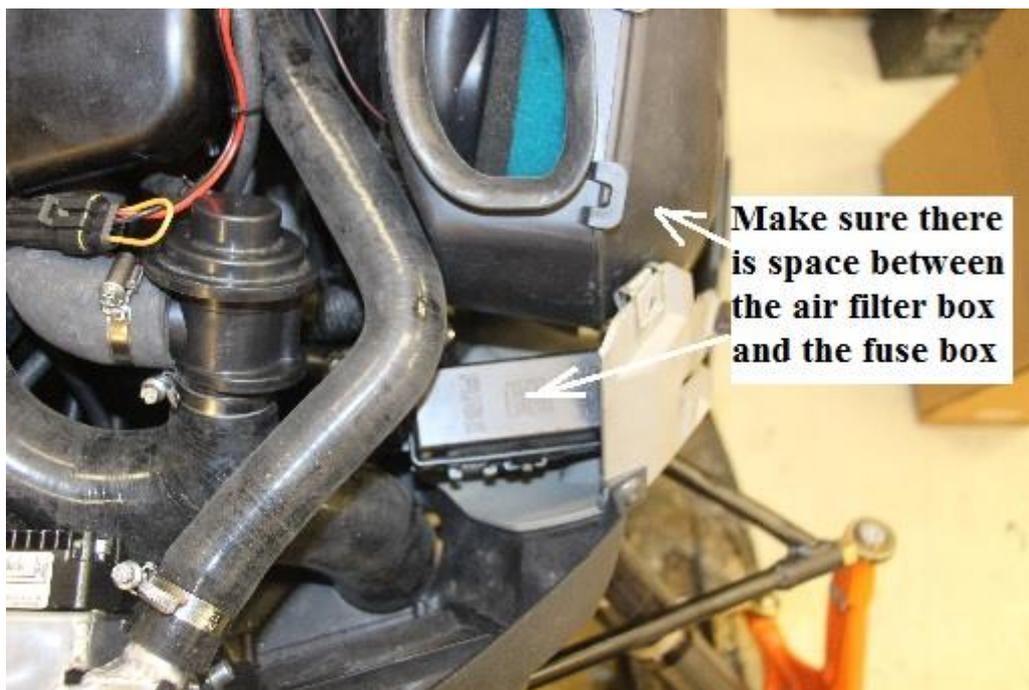


Re-locate the fuse box:

Begin by drill out the two rivets under the fuse box so the gold colored steel bracket comes loose. Use two pop-rivets and fasten the fuse box sub bracket supplied with the kit to the steel bracket. Place the fuse box like the picture. Drill into the plastic and fasten it with two pop rivets. Use washers on the underside.



Try on the air filter box before you install the fuse box so it fits.



Then install the water hoses to and from the new radiator.

One hose is going form the cylinder head water output to the radiator and the other one is going from the radiator to the thermostat housing.

Fill up the system with anti-freeze.

Install the plastic intake manifold and the air filter housing.



Install the red +12 V wire to the blue wire with red tracer going to the electric speaker for the rear warning sound.

And connect the black wire to the chassis ground.

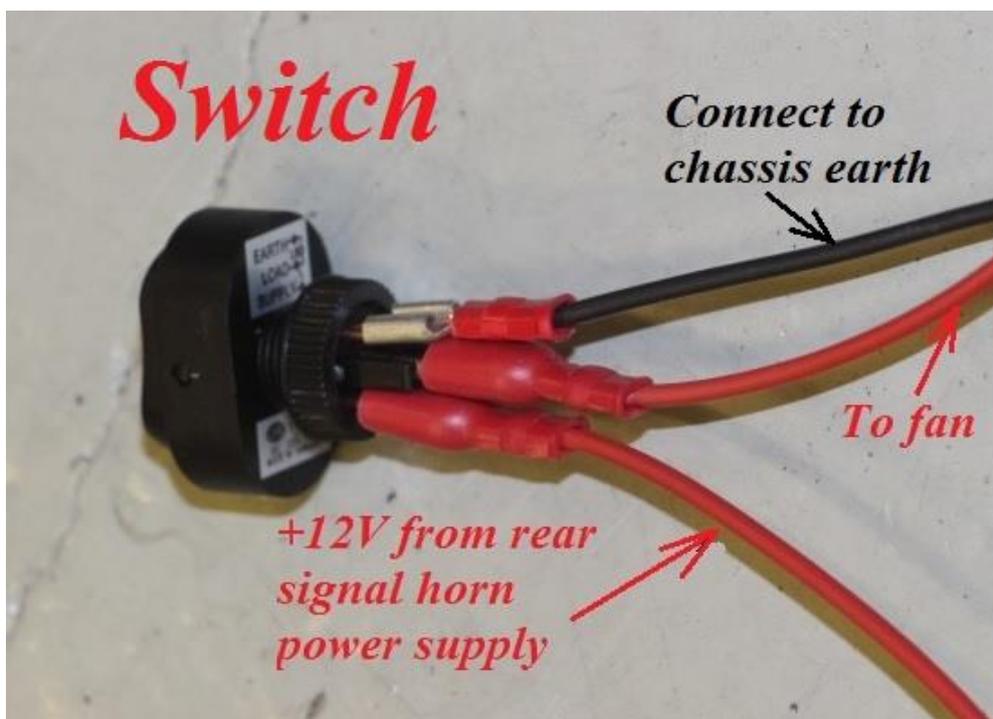
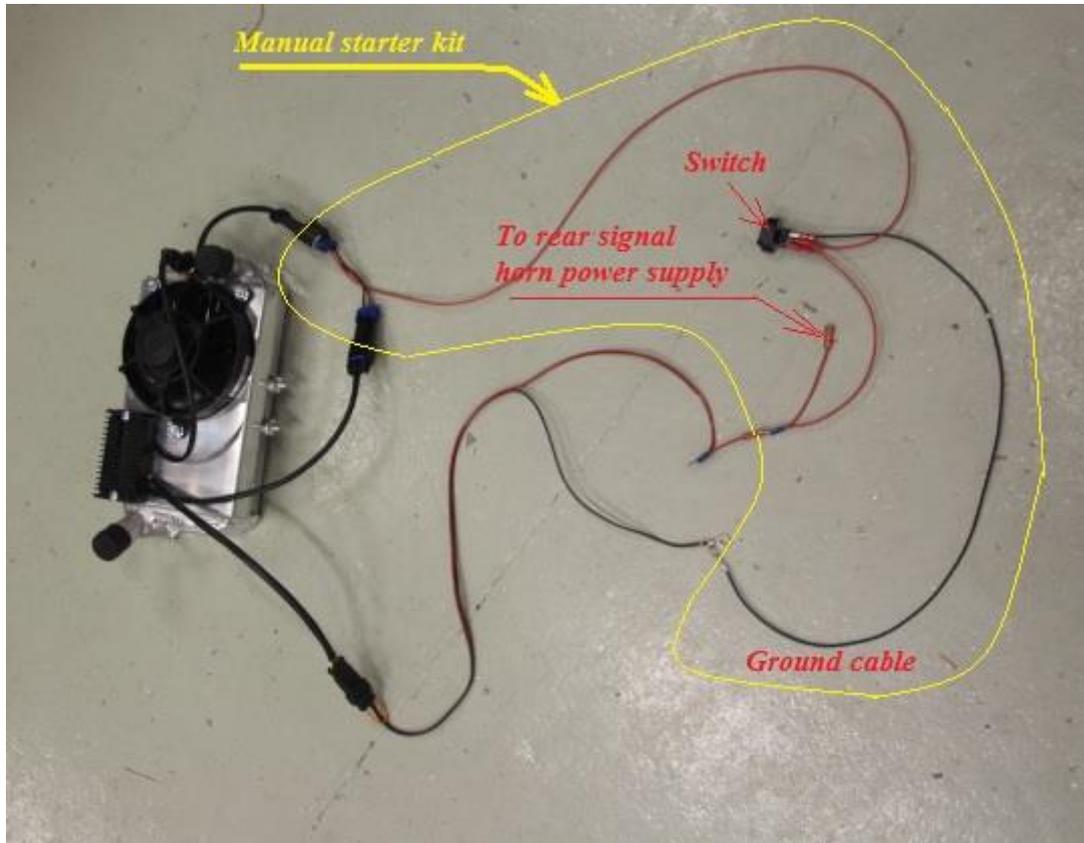
Start up the sled and check so it works as it should.

Let it idle until the water temperature reach over 80 degree C.

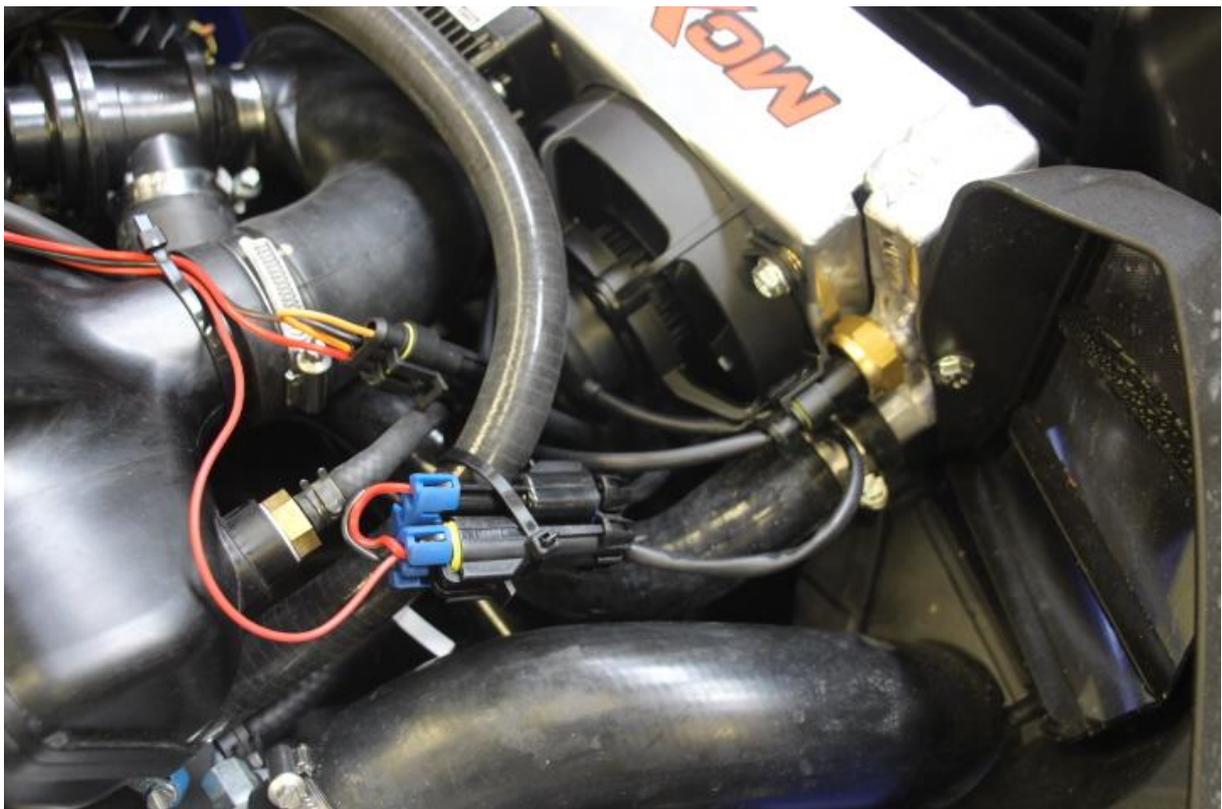
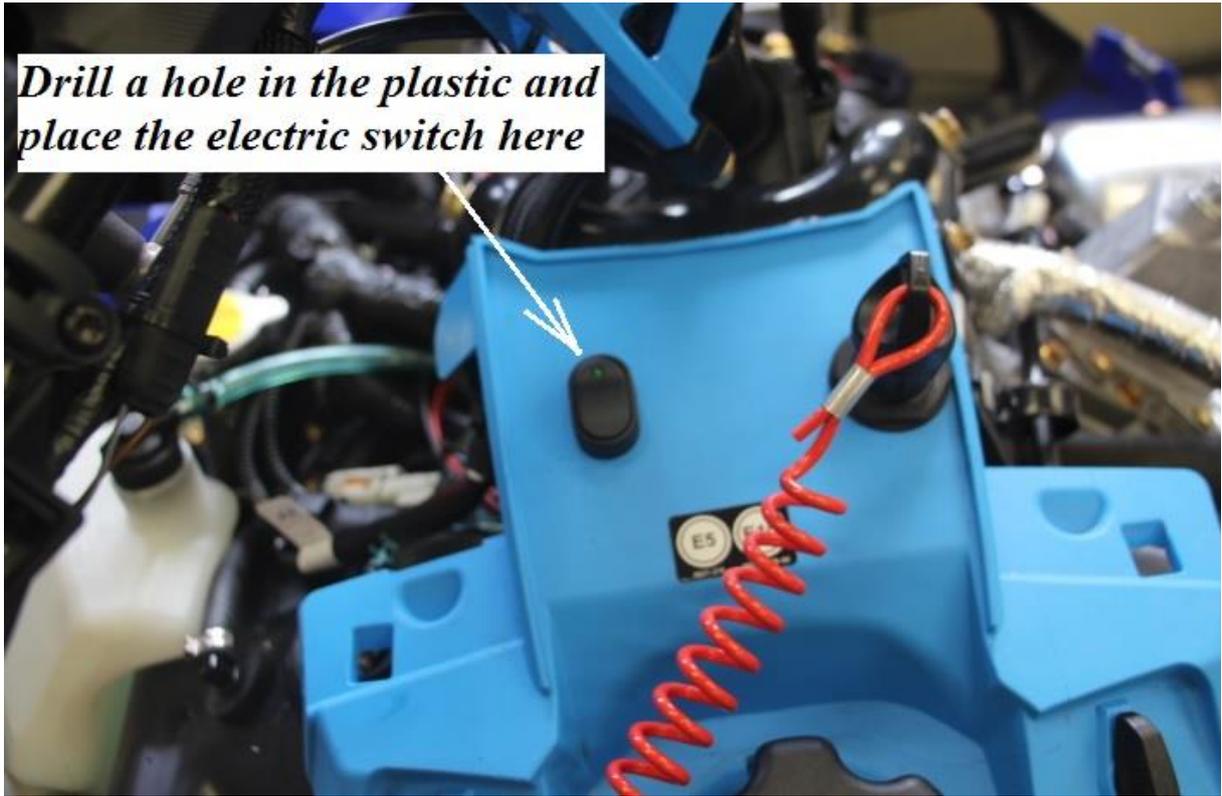
Check so the fan starts. (You can open the right side cover and see the fan from behind)

Option, can be bought separat:

Manual fan starter kit Sidewinder / AC 9000



*Drill a hole in the plastic and
place the electric switch here*





When the switch is tuned off, the thermostat will control the fan as usual.

When the switch is turned on, the fan will start at once when the key is on.