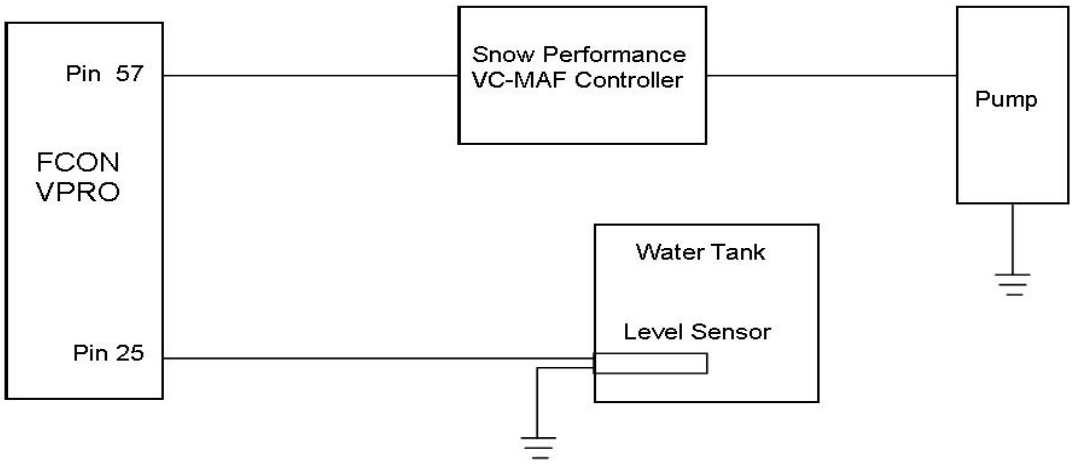
Water Injection Setup Using Snow Performance Stage 2 MAF Boost Cooler

This setup allows the FCON VPro to control the flow of the water injection by using an option voltage map and optimize fuel and spark timing by use of the scramble map. The water tank level sensor will turn off the scramble map if the water gets too low.

Parts required:
Snow Performance Stage 2 MAF Boost Cooler – Part # 20011
Low Level Indicator – Part # 40030



1. Wire as shown above. Pin 57 (Option Voltage Output 2) goes to the Controller's signal input wire.
2. Wire Pin 25 (Option Switch 1 input) to the tank level sensor. You can also wire the LED low level indicator to this lead.

VPro Setup
1. Open Parameter 2 > Option Voltage/Frequency Tab. In the Option Voltage Output 2 field, select the load axis type. Usually, Map is used for forced induction, and throttle is used for normally aspirated applications.
2. Open Parameter 1 > Control Tab. In the SW1 field, select Scramble. Click OK to close the screen.
3. Click on Settings > Inside Switch Settings. Select Pull up for the Switch 1 input.

Mapping
In the map fields, click on Option Output, and Voltage Output 2. Here is where you will build a voltage map from 0 to 5 (5000mv) volts to control the amount of water injected into the engine. The total volume of water injected is determined by the installed nozzle size. Please refer to Snow Performance's recommendation for nozzle selection.
Do not make changes to your fuel or timing settings in the normal trim maps. Use the scramble map, as it is active whenever the water level is adequate in the tank.