

SAE CSC2008 SNOWMOBILE DESCRIPTION FORM

Please fill out the following form and return it to the registration desk. *Answer all questions about your snowmobile as it is actually competing (not as it was intended to compete).*

Team Name: **The University of Maine-Black Bears** Team Number: **003**

Chassis-Year and Model: **2007 Yamaha Phazer**

Engine

Engine Cycle (2-stroke, 4-stroke, rotary, or electric): **4-Stroke** Number of cylinders: **2**

Engine Displacement (cc or electric motor size): **499 CC**

Engine Manufacturer : **Yamaha**

Engine Modifications (if any): **Installed Hotter Spark Plugs**

Compression Ratio: **12.4:1**

Turbocharged? or Supercharged? Yes or No – If Yes circle one : **NO**

Engine Management System: **Megasquirt**

Fuel Delivery -Carburetors, EFI, DI, SDI --:**EFI**

Fuel Pump Pressure:**64** psi -- Fuel Type E10, E85, B10, or Battery technology: **E85**

Emission Control

Air/Fuel Ratio Chosen (lean, stoichometric?): **Rich**

Catalyst? Type? : **3-Way**

Secondary Air Injection? - Yes or No : **NO**

Exhaust Gas Recirculation? – Yes or No : **NO**

Other : **N/A**

Noise Control

Muffler Design : **Stock w/packing, directed exhaust exit downward**

Noise Treatment: **Sound Deadening material on cowling & clutch cover**

Cooling

Describe Strategy : **Stock w/bypass for cooling sled while on dyno**

Other Unique Features of Your Snowmobile

Describe Strategy: **Flex fuel: the sled's sensor & electronics package allows for any mixture of gas and ethanol to be used as fuel**