

## SAE CSC2010 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 University of Wisconsin-Madison IC Team Number: 1

Chassis-Year and Model 2007 Polaris FST LX

**Engine**

Engine Cycle (2-stroke, 4-stroke, rotary, or electric) 4-stroke Number Of cylinders 2

Engine Displacement (cc or electric motor size) 750 cc

Engine Manufacturer Weber

Engine Modifications (if any) Switched to Automotive Cam

Compression Ratio 9.5:1

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

Engine Management System Mototron closed loop, with fuel oxygenation sensor

Fuel Delivery -Carburetors, **EFI**, DI, SDI – (circle one) Multipoint Sequential

Fuel Pump Pressure 45 psi <sup>+ Boost, Max 60psi</sup> Fuel Type (circle one) E10, E85, B10, Battery technology E0 to E100

**Emission Control**

Air/Fuel Ratio Chosen (lean, stoichometric?) Stoichometric

Catalyst? Type? Platinum 3-way Catalyst

Secondary Air Injection? - Yes or **No** (circle one)

Exhaust Gas Recirculation? – Yes or **No** (circle one)

Other \_\_\_\_\_

**Noise Control**

Muffler Design Y-chamber, resonating muffler w/strand packing

Noise Treatment Drive-paddle dampener, clutch cover, funnel stiffeners

**Cooling**

Describe Strategy Conventional liquid cooled, stock with hose rerouting

**Other Unique Features of Your Snowmobile**

Describe Strategy Closed loop w/ lean/rich switching, fuel sensor for rapid adaption,