SAE CSC2009 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 ***Team Number:*** 5

Chassis-Year 08 ***Model*** 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) ~~Turbocharged~~ Switched to automotive cam

Compression Ratio 9.5:1

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

Engine Management System ECU) Mototron closed loop, with fuel oxygenation sensor

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

Fuel Pump Pressure 45 **psi** + boost, max 60 psi **Fuel Type (circle one) Flex Fuel, Biodiesel, Battery technology** ____

Emission Control

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

Catalyst? Type? 3-Way Catalyst

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

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

Other ____

Noise Control

Muffler Design 3-Chamber - resonating muffler

Noise Treatment Drive-paddle dampener, Clutch cover

Cooling

Describe Strategy Conventional, stock with hose re-routing

Other Unique Features of Your Snowmobile

Describe Strategy Closed loop with lean/rich switching, fuel sensor for radio adaptation

Track Manufacturer Camoplast ***Length*** 128 ***Pitch*** .875"

Studs 102, 1 in. gold digger