

SAE CSC 2011 IC 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 Madison IC Team Number 01

Chassis-Year 2007 Model Polaris EST 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

Engine Manufacturer Weber AG

Engine Modifications (if any) cam,

Compression Ratio 9:1

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

Engine Management System ECU Woodward

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

Fuel Pump Pressure ^{300 kPa} 50 psi Fuel Type (circle one) Flex Fuel, Biodiesel, Battery technology _____

Emission Control

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

Catalyst? Type? Yes, 3-way

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

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

Other Custom tuning by students

Noise Control

Muffler Design stock with integrated catalyst and stranded packing

Noise Treatment muffler, track paddle damper

Cooling

Describe Strategy Stock under-tunnel heat exchanger and front radiator

Other Unique Features of Your Snowmobile

Describe Strategy Custom tuning with ECT and integrated 3-way catalyst

Track Manufacturer _____ Length _____ Pitch _____

Traction Studs No? Yes? Type 96 Woody's Megabite