

SAE CSC2005 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).* Please answer all questions accurately, as the responses you supply will be used to summarize your entry in the SAE CSC2005 Summary Technical Paper.

Team Name University of Wisconsin-Madison **Team Number:** 1

Engine

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

Engine Displacement (cc or electric motor size) 784 cc

Engine Manufacturer Polaris

Engine Modifications electronic throttle

Compression Ratio 8.5:1

Turbocharged? Supercharged? No

Engine Management System Bosch

Fuel Delivery (Carburetors, EFI, DI): electronic fuel injection

Fuel Pump Pressure 50 psi

Emission Control

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

Catalyst? Type? three way catalyst (platinum)

Secondary Air Injection? none

Exhaust Gas Recirculation? none

Other _____

Noise Control

Describe Strategy tuned broadband attenuating muffler, engine sound damping material

Performance Maintenance

Describe Strategy electric motor to increase acceleration performance

Other Unique Features of Your Snowmobile

Describe Strategy hybrid powertrain
