

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 Buffalo-SUNY **Team Number:** 4

Engine

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

Engine Displacement (cc or electric motor size) 588 cc

Engine Manufacturer Honda

Engine Modifications lower compression pistons, intercooled

Compression Ratio 8.5:1

Turbocharged? Supercharged? turbo

Engine Management System Bosch open loop

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

Fuel Pump Pressure 42 psi

Emission Control

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

Catalyst? Type? sway

Secondary Air Injection? no

Exhaust Gas Recirculation? no

Other _____

Noise Control

Describe Strategy broadband attenuating muffler, quiet track, engine/tunnel sound damping material

Performance Maintenance

Describe Strategy turbocharged, intercooled, EFI

Other Unique Features of Your Snowmobile

Describe Strategy digital gauge pod, separate intercoolant system, liquid to air loop