

SAE CSC2004 SNOWMOBILE DESCRIPTION FORM

Please fill out the following form and return it to Lori Witting before you leave the registration area. *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 CSC2004 Summary Technical Paper.

Team Name and Number: Univ. at Buffalo – SUNY #5

Engine

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

Engine Displacement (cc) 582

Engine Manufacturer Honda

Engine Modifications EFI, low compression, turbo, intercooled

Compression Ratio 8.5 : 1

Turbocharged? Supercharged? Turbocharged

Engine Management System Bosch open loop

Fuel Delivery (Carburetors, EFI, DI): EFI

Emission Control

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

Catalyst? Type? 3-way

Secondary Air Injection? No

Exhaust Gas Recirculation? No

Other _____

Noise Control

Describe Strategy Sealed hood, prototype track, melamine foam utilization, no idler wheels

Performance Maintenance

Describe Strategy turbocharged, intercooled, EFI

Other Unique Features of Your Snowmobile

Describe Strategy Digital gauge pod, separate intercooler coolant system for liquid to air cooler

Special Measurements Needed for Acceleration Event

Inside Ski Stance 36.75 inches **Outside Ski Stance** 48 inches **Front Bumper Height** 18 inches