

## 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 Maine **Team Number:** 3

### Engine

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

**Engine Displacement (cc or electric motor size)** 660 cc

**Engine Manufacturer** Artic Cat (Suzuki)

**Engine Modifications** piggyback on ECU

**Compression Ratio** 12.45:1

**Turbocharged? Supercharged?** no

**Engine Management System** stock with piggyback

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

**Fuel Pump Pressure** 43.5 psi

### Emission Control

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

**Catalyst? Type?** three way catalyst

**Secondary Air Injection?** no

**Exhaust Gas Recirculation?** no

**Other** \_\_\_\_\_

### Noise Control

**Describe Strategy** muffler, fewer hood vents, engine sound damping material

\_\_\_\_\_

### Performance Maintenance

**Describe Strategy** minimal performance loss, optimized clutching regained lost power

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### Other Unique Features of Your Snowmobile

**Describe Strategy** modified design can be packaged as an aftermarket kit for easy installation

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