

## 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-Platteville **Team Number:** 6

### Engine

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

**Engine Displacement (cc or electric motor size)** 600 cc

**Engine Manufacturer** ROTAX (Ski-Doo)

**Engine Modifications** none

**Compression Ratio** 12.25:1

**Turbocharged? Supercharged?** no

**Engine Management System** stock

**Fuel Delivery (Carburetors, EFI, DI):** semi-direct injection

**Fuel Pump Pressure** 58 psi

### Emission Control

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

**Catalyst? Type?** three way catalyst

**Secondary Air Injection?** yes

**Exhaust Gas Recirculation?** no

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

### Noise Control

**Describe Strategy** automotive muffler, engine/tunnel sound damping material, quiet track

\_\_\_\_\_

### Performance Maintenance

**Describe Strategy** reduced drivetrain mass, two-stroke engine

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### Other Unique Features of Your Snowmobile

**Describe Strategy** RMI direct drive, radiator for cooling

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