

# 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:** Montana Tech #14

## Engine

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

**Engine Displacement (cc)** 660

**Engine Manufacturer** Suzuki

**Engine Modifications** combustion chamber

**Compression Ratio** stock, 10.5 : 1

**Turbocharged? Supercharged?** No

**Engine Management System** No

**Fuel Delivery (Carburetors, EFI, DI):** EFI

## Emission Control

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

**Catalyst? Type?** 3 layer washcoat (Palladium, Platinum, Rhobidium)

**Secondary Air Injection?** None

**Exhaust Gas Recirculation?** None

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

## Noise Control

**Describe Strategy** Long tunable muffler, noise dampening foam. Cost-effective, easy to add parts.

## Performance Maintenance

**Describe Strategy** Bolt-on, cost efficient parts, universally usable for already marketed snowmobiles.

## Other Unique Features of Your Snowmobile

**Describe Strategy** Aluminum bogey wheels, carbon fiber hood, custom brake light. Providing aesthetics and weight reduction.

## Special Measurements Needed for Acceleration Event

**Inside Ski Stance** 35 inches **Outside Ski Stance** 44<sup>3</sup>/<sub>4</sub> inches **Front Bumper Height** 19 inches