

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 Michigan Tech University **Team Number:** 2

Engine

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

Engine Displacement (cc or electric motor size) 954 cc

Engine Manufacturer Honda

Engine Modifications crankshaft adapter (w/flywheel), airbox, alternator, wiring harness

Compression Ratio 11.5:1

Turbocharged? Supercharged? no

Engine Management System stock Honda w/DynoJet Power Commander

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

Fuel Pump Pressure 55 psi

Emission Control

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

Catalyst? Type? three way catalyst

Secondary Air Injection? yes

Exhaust Gas Recirculation? no

Other adjusted fuel maps, ignition maps, and timing

Noise Control

Describe Strategy tuned muffler, engine sound damping material, quiet track, exhaust exit towards ground

Performance Maintenance

Describe Strategy large displacement, high performance, high torque engine, fully adjustable suspension and shocks, clutch tuning, exhaust simulation

Other Unique Features of Your Snowmobile

Describe Strategy _____
