

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 Kettering University Team Number: 8

Engine

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

Engine Displacement (cc or electric motor size) 945 cc

Engine Manufacturer Yamaha

Engine Modifications reduced displacement (998 cc to 945 cc)

Compression Ratio 11.2:1

Turbocharged? Supercharged? no

Engine Management System Motec

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

Fuel Pump Pressure 40 psi

Emission Control

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

Catalyst? Type? three way catalyst

Secondary Air Injection? no

Exhaust Gas Recirculation? no

Other

Noise Control

Describe Strategy glass pack muffler, engine sound damping material

Performance Maintenance

Describe Strategy sequential fuel injection, heavier stabilizer bars/links

Other Unique Features of Your Snowmobile

Describe Strategy performance sled with special attention to cost and reliability
