

SAE CSC 2012 IC 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).**

Team Name Bucky IC (NW-Madison) Team Number: 2

Chassis-Year 2011 Model Polaris Rush

Engine

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

Engine Displacement (cc or electric motor size) 750

Engine Manufacturer Weber

Engine Modifications (if any) Different carb

Compression Ratio 9:1

Turbocharged? or Supercharged? Yes or No – If Yes circle one

Engine Management System ECU Woodward

Fuel Delivery -Carburetors, EFI, DI, SDI – (circle one)

Fuel Pump Pressure 35-60 psi Fuel Type (circle one) Flex Fuel, Biodiesel, Battery technology

Emission Control

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

Catalyst? Type? Yes, 3-way

Secondary Air Injection? - Yes or No (circle one)

Exhaust Gas Recirculation? – Yes or No (circle one)

Other —

Noise Control

Muffler Design 3 chamber, internal catalyst, Owens corning Silentex packing

Noise Treatment —

Cooling

Describe Strategy 2 loops. One front with radiator and oil cooler. One rear-track for main engine cooling.

Other Unique Features of Your Snowmobile

Describe Strategy Flex-fuel sensor, electronic throttle

Track Manufacturer Camoplast Length 121" Pitch 2.52"

Traction Studs No? Yes? Type 264 integrated in Camoplast Ice Attak