



APPENDIX A 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 University of Wisconsin-Madison Team Number 002

Chassis-Year and Model 2015 Ski-doo MXZ Sport

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

Engine Displacement (cc) 674

Engine Manufacturer Rotax

Engine Modifications (if any) increased displacement (bored & stroked from 600cc → 674cc)

Compression Ratio 12:1

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

Engine Management System Woodward 128-pin PCM w/ embedded controls

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

Fuel Pump Pressure _____ psi Fuel Type (circle one) Gasoline or Diesel

Emission Control

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

Catalyst? Type? Heraeus/Continental 3-way catalyst

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

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

Other _____

Noise Control

Muffler Design stack 600 ACE Muffler

Noise Treatment _____

Cooling

Describe Strategy stack heat exchanger + coolant reservoir

Other Unique Features of Your Snowmobile

Describe Strategy N/A



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Team Name Idaho Team Number 04

Chassis-Year and Model SkiDoo MXZ MY: 2017

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

Engine Displacement (cc) 850

Engine Manufacturer Rotax

Engine Modifications (if any) Reduced-speed

Compression Ratio 12:1

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

Engine Management System Stack

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

Fuel Pump Pressure 45 psi Fuel Type (circle one) Gasoline or Diesel

Emission Control
Air/Fuel Ratio Chosen (lean, stoichiometric?) lean at low load, rich at high

Catalyst? Type? Hexas 1:20:1 Platinum Palladium Rhodium

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

Exhaust Gas Recirculation? - Yes or No (circle one)
Other _____

Noise Control
Muffler Design Stack w/ catalyst chamber

Noise Treatment Sound damping material

Cooling
Describe Strategy 50/50 ethylene glycol
tunnel radiator

Other Unique Features of Your Snowmobile
Describe Strategy _____



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Team Name IUPUI Team Number 14

Chassis-Year and Model 2017 Polaris Assault Switchback 800cc

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

Engine Displacement (cc) 794

Engine Manufacturer Liberty

Engine Modifications (if any) n/a

Compression Ratio _____

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

Engine Management System Power Command S

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

Fuel Pump Pressure 855 psi Fuel Type (circle one) Gasoline or Diesel

Emission Control
Air/Fuel Ratio Chosen (lean, stoichiometric?) lean

Catalyst? Type? Yes, 3 Way Cat

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

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

Other _____

Noise Control
Muffler Design Flowmaster Super 10 Muffler

Noise Treatment Kao wool Blanket, Aluminum

Cooling
Describe Strategy Stock

Other Unique Features of Your Snowmobile
Describe Strategy _____

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Team Name University at Buffalo Clean Snowmobile Team Team Number 102

Chassis-Year and Model Polaris 2015 Polaris Indy Adventurer 144

Engine
Engine Cycle (2-stroke, 4-stroke, or rotary) 4 stroke Number of cylinders 3

Engine Displacement (cc) 799cc

Engine Manufacturer Mercedes-Benz

Engine Modifications (if any) _____

Compression Ratio 18:1

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

Engine Management System SIS Delta Typhoon

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

Fuel Pump Pressure 50 psi Fuel Type (circle one) Gasoline or Diesel

Emission Control
Air/Fuel Ratio Chosen (lean, stoichiometric?) Lean

Catalyst? Type? _____

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

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

Noise Control
Muffler Design _____

Noise Treatment _____

Cooling
Describe Strategy _____

Other Unique Features of Your Snowmobile
Describe Strategy _____



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Team Name Bison Motorsports Team Number 104

Chassis-Year and Model Polaris Titan 155XC 2018

Engine 2006 OM660
Engine Cycle (2-stroke, 4-stroke, or rotary) 4-stroke Number of cylinders 3

Engine Displacement (cc) 799

Engine Manufacturer Mercedes-Benz

Engine Modifications (if any) No

Compression Ratio 18.0:1

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

Engine Management System Electronically controlled

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

Fuel Pump Pressure _____ psi Fuel Type (circle one) Gasoline or Diesel

Emission Control

Air/Fuel Ratio Chosen (lean, stoichiometric?) unknown / stock

Catalyst? Type? _____

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

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

Other _____

Noise Control

Muffler Design no muffler

Noise Treatment No

Cooling

Describe Strategy Two heat exchangers

Other Unique Features of Your Snowmobile

Describe Strategy Common rail, electrically controlled ~~DI~~ injection