

# *SAE CSC2007 SNOWMOBILE DESCRIPTION FORM*

**Team Name:** UMD Bulldogs

**Team Number:** 2

**Chassis-Year and Model:** 2006 Polaris IQ Classic

## ***Engine***

**Engine Cycle:** 4-stroke

**Number of Cylinders:** 2

**Engine Displacement:** 750cc

**Engine Manufacturer:** Weber

**Engine Modifications:** Conversion to E85

**Compression Ratio:** 9.5:1

**Turbocharged or Supercharged?** Yes; Turbocharged

**Engine Management System:** Bosch (stock)

**Fuel Delivery – Carburetors:** EFI

**Fuel Pump Pressure:** 65 psi

**Fuel Type:**

## ***Emission Control***

**Air/Fuel Ratio Chosen:** Stoichiometric

**Catalyst/Type:** Platinum – 3-way

**Secondary Air Injection?** Yes

**Exhaust Gas Recirculation?** No

**Other:** Heated air injection

## ***Noise Control***

**Muffler Design:** Stock muffler; additional converter

**Noise Treatment:** Chassis noise dampener, underhead foam

## ***Cooling***

**Describe Strategy:** Stock with lengthened snowflap, improved hood airflow

## ***Other Unique Features of Your Snowmobile***

**Describe Strategy:** Fuel system conversion to E85, chassis noise dampener