

# *SAE CSC2007 SNOWMOBILE DESCRIPTION FORM*

**Team Name:** MSU-X

**Team Number:** 11

**Chassis-Year and Model:** 05 Arctic Cat F5

## ***Engine***

**Engine Cycle:** 2-stroke

**Number of Cylinders:** 2

**Engine Displacement:** 499cc

**Engine Manufacturer:** Suzuki

**Engine Modifications:** Stock

**Compression Ratio:** 6.34 to 1

**Turbocharged or Supercharged?**

**Engine Management System:** Motec

**Fuel Delivery – Carburetors:** SDI & Throttle body

**Fuel Pump Pressure:** 60 psi

**Fuel Type:** E85

## ***Emission Control***

**Air/Fuel Ratio Chosen:** Stoich

**Catalyst/Type:** 3-way

**Secondary Air Injection?** Yes

**Exhaust Gas Recirculation?** No

**Other:**

## ***Noise Control***

**Muffler Design:** Absorption

**Noise Treatment:** 2-stroke muffler packing – underhood sound dampening

## ***Cooling***

**Describe Strategy:** Stock

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

**Describe Strategy:** Custom gas tank to allow for more gas