



2009 Design Nearly Complete

After 14 weeks of continual design work, the design for the 2009 car is nearly complete. The 14 member design team has taken on the task of improving an already stellar car.

The changes to the design come in the form of a revamped chassis, front and rear suspension and steering system.

The chassis has shed 25lbs from the 2008 weight of 76lbs. Its torsional rigidity has barely suffered during this weight reduction while space in the driver's cockpit has been increased significantly.

The rear suspension was redesigned for a MecE 460 Capstone Design project in Fall 2007 and the front suspension has used this design as it's baseline.

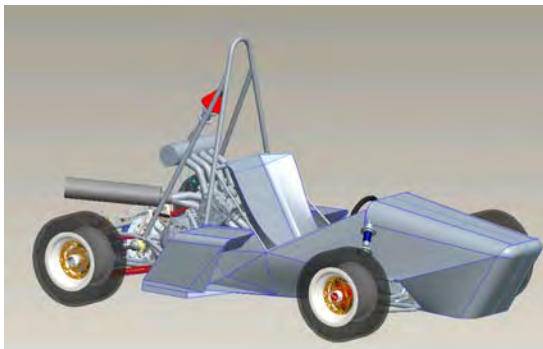
The revamped steering

system should require less driver effort while allowing a tighter turning radius and superior turning characteristics.

Anti roll systems will be incorporated into both the front and rear of the car in hopes to improve autocross results.

Total car weight is estimated at 460lbs; 49lbs shy of the 2008 weight.

All the design changes should produce a car that not only has an astonishing amount of power but also turns on a dime.



Pro/ENGINEER model of the 2009 car.

First General Meeting Highly Successful

On the first Wednesday in October, over 70 students attended Formula SAE's semi-annual General Meeting. Interest in the club astonished all team members from last year.

Students interested in the club kept team members busy with questions for more than 2 hours after the meeting.

A work session the following weekend saw over 50 students come out and help clean the workspace area. An old car was dismantled as well, given that it was in dire need of extensive repairs.

The executive team is ecstatic that there is so much new interest in the club.

Bucyrus Partners with Formula SAE

Bucyrus designs and manufactures some of the largest, most productive mining equipment available in the world today. The company history for creating surface mining equipment dates back to 1880 and the underground mining equipment can trace its roots to 1826. The company manufactures high-quality OEM parts and

provides support services for all Bucyrus machine brands. Bucyrus is dedicated to enhancing mine productivity, controlling costs and adapting to the rapidly changing market place.

Efforts in R&D continue to add new products and improve and expand existing product lines.

Formula SAE is glad that

Bucyrus can be part of their legacy at the University of Alberta.

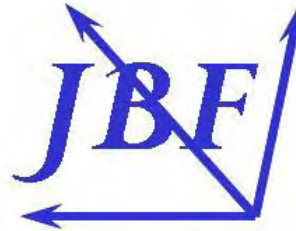




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