

CRIMSON RACING NEWSLETTER

March 2016

Greetings from Crimson Racing!

It's already March, which means temperatures are rising and University students have one thing on their minds: Spring Break! We here at Crimson Racing are definitely excited about having a week off to relax before the final push at the end of the semester. However, classes aren't the only thing we will need to focus on when we get back. The Formula SAE competition is only two months away, and while we still have some work to do, the team is confident that the improvements we have been making throughout the year could make this our best car yet.

Rolling Chassis

Now that the frame and suspension have been completed, the car has entered the rolling chassis stage. We were able to finish the suspension with our recently purchased Kaz shocks; the long overdue additions feature a direction actuation, meaning we will no longer need to rely on the bell crank system used in years past. We also added the wheels to the vehicle.

Body Components, Intake Complete, and Aesthetic Improvements

All of the body components of the car, such as the nose cone, side pods, and side panels, have been fiber glassed. To assure adhesion to their molds, the side pods and nose cone also faced a vacuum bag process. The resulting panels have been sent out for painting by Wayne's Body Shop in Cottondale, AL.

This year, the team decided to use an all-aluminum intake, rather than the rapid prototyping techniques we used last year. We chose this method based on its performance and reliability. The welding of the intake has been completed and mounted onto the car.

We molded our seat using expanding foam around the body of one of our team members. The seat was then sanded to remove any imperfections in the mold. This year, the University's interior design school was able to help us improve upon our seat design from previous years. They conformed a Mercedes seat cover to fit the seat we molded, as well as attached an embroidered script A onto the team's headrest. We thank them for their contributions to the comfort and style of this year's car.



Looking Forward

This year has been an exciting one for the Crimson Racing Team, but it's not over yet. As we finish putting the final pieces together, we hope you will reach out to us with any comments or questions you have about the car, the team, or the competition in May. We look forward to hearing from you, and as always, thank you for all your support!

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