

CRIMSON RACING NEWSLETTER

November 2015

Greetings from Crimson Racing!

Somehow, we've already made it to November. The last full month of semester gives us a lot to look forward to: not only does it include the most delicious holiday of the year, but Alabama fans also get to enjoy watching three SEC games, starting with LSU at home this weekend. Amidst all this excitement, classes are winding down, but the Crimson Racing team continues to push forward and make incredible improvements, ensuring this year's car will be the best one yet.

Frame and Body

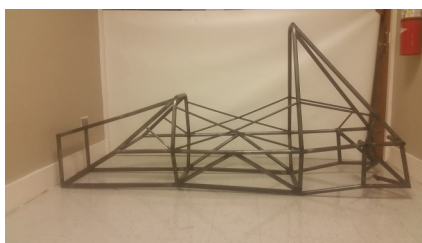
The structural sections of the frame, from the main roll hoop forward, have been welded and completed. Only a few welds remain to the rear of the main roll hoop before all the structural members have been completed. At that point, the team will transition into adding the small tabs and mounting points for other parts of the car. Before adding the final structural tubes, we must wait for our SES to be returned. The SES (Structural Equivalency Spreadsheet) is a document describing our frame and its components in detail; it needs to be approved to ensure we have passed all the requirements for the May competition.

In the past, the team has used insulation foam for the molds used to create the body components. This year, we are attempting to use wood for some of the molds. The new molds will make the vacuum bag process easier, since we will not run the risk of the mold deforming. The team has begun the process of cutting out parts of the molds, and will soon start sanding the molds together to make them smooth.

Suspension and Engine

All of our suspension parts are in the process of being machined: the uprights by APR, the rear spindles by Pegasus, a machining company in Montgomery, AL, and the front spindles and brake hats by the machine shop. Some of the younger members on the teams will be machining the parts that attach to the upright. We would like to extend our gratitude to all of our sponsors for helping us machine our parts.

The team has received a new engine for the year. We will soon begin rebuilding it, allowing us start tuning the car on the water dyno. We will be using a Performance Electronic ECU to tune the engine this year. We believe that this will allow us to have more control of the tune on the engine, as well as expand the amount of data we are able to collect. This year, we also plan to change several components of the engine, including the piston, cams, intake, and exhaust, hoping these improvements will boost performance.



Looking Forward

As always, we here at Crimson Racing thank you all for your continued support. Since gaining increased exposure for both the Crimson Racing Team and our sponsors is very important to us, the team is constantly looking for new ways to increase our presence on campus. Recently, we printed two banners: one with our logo, which is displayed outside our shop, and another with an image of our car and our sponsors' logos, which we plan to bring to public events, such as when we display our car on the Quad or eDay. Also, our second design review will take place on the fifth; we will be presenting on the suspension and business plans. We always love these events, as your feedback is crucial to our team's development and success. If you are unable to attend, or have any further questions, comments, or suggestions, please contact us at the email listed below.

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