



Greetings from Crimson Racing,

We have begun work on the frame. The freshmen are playing an integral role in the long process as they help with cutting tubes, preparing welds, and learning about the car and the team along the way. They are excited to be working on the car, and we look forward to watching them grow as members. We intend to complete the frame prior to the end of the semester in December, but it could not happen without McAbee Construction supplying our jigs for the frame.

Finally ending our arduous three month search, we are excited to announce that we have successfully secured an engine. Three dedicated members drove seven hours on a Thursday



night to Stan's Towing in Daleville, AL to purchase the engine. Overall, we have found the engine to be a clean and a quality addition to our design. The old car has been put on the chassis dynamometer to tune the engine. A recent switch to the open-source MicroSquirt from our old Performance Electronics ECU will allow us to program the ECU exactly as we desire.

The suspension design process has been completed. We greatly appreciate the work done by Fitz-Thors Engineering in milling the uprights and our Mechanical Engineering Machine Shop for turning our spindles. We have sent out the part drawings for creation; they should be completed soon. The rear box design is approaching its end as well. This month, we will begin work on the first prototype, hoping to make the rear box lighter and more serviceable in the process.

We have also completed the body design process. By running scale models through our wind tunnel, we have backed up our Computational Fluid Dynamics analysis. Within the next month, we plan to begin the actual manufacturing of the body. It has been great watching all of the pieces come together, and we are so excited to continue our work.

Thank you for your continued support of the Crimson Racing Team. None of this could happen without your help, and we hope you are as excited as we are about what lies ahead for the team. Please contact us with any questions, comments, or advice; we would love to hear from you!



Sincerely,  
Crimson Racing  
[alabamafsae@gmail.com](mailto:alabamafsae@gmail.com)  
<http://fsae.eng.ua.edu/>