

Greetings from Crimson Racing,



Now that we're well into the semester, temperatures are rising, Spring Break is approaching, and the Crimson Racing team's work is in full gear preparing for the upcoming competition.

Recently, we hosted four of our wonderful sponsors and our faculty advisor at our Spring External Design Review. We presented the engine, rear box, and electronics at the event; we are very thankful for the feedback we received, as it gave us a lot of insight into areas to improve upon in the future. A video of our design review will be available on our YouTube channel, Crimson Racing - Alabama FSAE, shortly. Now that we have completed the review, our focus turns once again to working on the car.

This month, we were able to begin engine dyno testing; we are currently in the process of tuning the engine with the goal of achieving maximum torque. Ricardo WAVE simulations have enabled us to determine an optimal tuned length for the exhaust and intake, allowing for high torque without having to fabricate numerous manifolds.

Our freshmen have continued to show their dedication to the team into this semester, promptly completing the pedal designs we are currently in the process of machining.



We were able to machine our brake pedal on a CNC Mill; a video of this procedure can be found on the YouTube channel hosting the design review video.



We have nearly finished our work on the suspension, with only a few brackets to attach to the upright remaining. The final pieces are coming together now; we were able to finish the a-arms this month and are now at a point where we can start assembling the front suspension in rolling form.

Once again, we would like to express our continued gratitude for your interest and support of the Crimson Racing Team. A special thank you goes out to the Machine Shop for machining our brake hats and various parts for the new rear box, as well as Lee Clark at Barber's Motorcycle Museum for machining our brake caliper mounts and bell cranks. As the May competition date is quickly approaching, we will be working diligently in the next couple months in order to prepare. We hope you are all excited to see the final product in action – we know we are. Please contact us with any questions, comments, or advice; we would love to hear from you!

Sincerely,

Crimson Racing

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