

# CRIMSON RACING NEWSLETTER

January 2017

## Greetings from Crimson Racing!

It is the start of a new year which means the FSAE season is half way through. The team is working to have the car completed by March 1st. To achieve this goal, most of the parts for the car have been manufactured, and the assembly will begin on January 15th. This is exciting because it is the earliest we have ever started this process before. Starting earlier will allow the team more time to work with the car. We hope that this year will yield great results with the help of all our sponsors!

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## Chassis

### Frame & Aero

The frame is complete including all tabs and mounting brackets. The frame was powder coated black over Christmas break. We would like to thank Alabama Powder Coat for doing the powder coating for us.

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## Powertrain

### Differential

All parts for the differential were machined during the Winter break. In years past, the team has used a recycled differential design from a previous year. This year, it was completely redesigned and we are enthusiastic of the great potential for the new design.

### Intake

Per the rules, the team is required to use a 20mm restrictor. This makes getting air through the intake difficult. The team will be manufacturing the restrictor out of carbon fiber this year. This material will be lighter and allow us to make the inlet smoother than in previous years.

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## Outreach

### Exposure

Much like the rest of the athletics at The University of Alabama, the woman's basketball team is a top-notch program. Most of the team's home games are held in Foster Auditorium, but on Thursday, December 15th, the program played a game against Georgia State University in Coleman Coliseum. The University invited several thousand 5th graders from across the state to watch the game. The College of Engineering invited some of the engineering student design teams to set-up a table in the Coliseum to get young students excited about engineering and to reach out to people attending the basketball game. The Crimson Racing team brought the car and had a table set up in the Coliseum. Many 5th grade students asked questions about the car and several classes took pictures with the car. The team also spoke with people attending the game. We are always happy to get our car's image out to the public, and we look forward to participating in more events!



(Left) Powder coated frame



(Right) Car in Coleman Coliseum

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