

CRIMSON RACING NEWSLETTER

February 2017

Greetings from Crimson Racing!

We are excited to announce that we are on target to hit the March 1st completion deadline. The car is in the assembly phase and is beginning to look more and more complete every day. We cannot wait to display a complete car for all our wonderful sponsors.

Chassis

Composites

The body has been laid with carbon fiber and pulled off the molds. The body should be much lighter than in past years. The team is replacing many previously metal parts with carbon fiber in order to reduce weight. The team has made the firewalls out of carbon fiber this month and they look great. We are excited for more weight saving to come!

Powertrain

Fuel tank

The fuel tank has been completed. It is constructed of bent aluminum and welded together. We leak tested it and found one faulty seal, which we are working to repair. This year's tank is much smaller than the previous year which will save weight. This tank also incorporates a fuel level sensor, allowing us to monitor our fuel consumption. Unfortunately, the seal on the sensor is the one that failed.

Intake and Exhaust

We made our first carbon fiber restrictor. It turned out very well, however, there are a few areas where we can improve. We will be laying another restrictor to improve in these areas. The rest of the intake will be made out of aluminum. We have completed most of the welds for the intake. The runners are complete with bungs in them. We would like to thank Brown and Miller Racing Solutions for doing a lot of intricate bends for our exhaust several months ago. Over the past month, we welded together the exhaust and it looks great. It is significantly lighter than last year's.

Outreach

Get On Board Day

The team was fortunate enough to participate in GOBD and meet new members.

Fundraiser

The team would like to thank Chipotle for partnering with the team to have a fundraiser. On January 26th, Chipotle split all profits with the team if the person purchasing mentioned our team. We raised a lot of money through this event.



(Left) Students work on laying the carbon fiber body.

(Right) The carbon fiber fire walls going through the vacuum bag process.



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