With RW-8’s frame completed, we’ve begun analysis on the strength of our design and manufacturing. Torsion tests are used to measure the rigidity of a structure as it is subjected to a well placed force. For our car frame, the test is performed by fixing the rear suspension components so the majority of the body can float along the horizontal axis. Next a torque is applied to the front suspension with a steel rod and weights, as shown in the figure in the bottom left. We measure the deflection and use that value to calculate the torsional rigidity. RW-8 has a value of 893 Nm/deg, nearly double that of RW-6.
Bake Sale Success!

Thank you to everyone who visited our table and supported our bake sale! It was a great success!
What did you like? What would you like to see at our next bake sale? *Any feedback is greatly appreciated!* Please send your comments to Adam Niner (ea9319).

Suspension Progress

RW-8’s push rod suspension is nearing completion. The design is lead by Joe Pisani and the manufacturing completed by Mahesh Umasankar and Richard LePage. Our aluminum uprights were water cut by our sponsor Leading Edge, and are currently being milled to meet our design parameters. The estimated completion date for the suspension is a little over two weeks. RW-8’s suspension will be similar to previous models, but it feature redesigned uprights, improved steering, and a 5% reduction in weight.
Warrior Racing now proudly offers a solid variety of food and drink. Please view the menu below for all of the options! We’re on the first floor of the new side of engineering, room 1530. If the door’s not propped open don’t hesitate to knock! We tend to be open earlier and later than anywhere else!

Meet a Warrior Racing Teammate

Justin Bekker
Currently pursuing a BS in Mechanical Engineering, Junior Status
A Little About Myself
I chose to study mechanical engineering because I want to be part of something that creates new technologies. In my spare time I enjoy working out and spending time with my family and friends.

Why I Joined Warrior Racing
I thought it was a good opportunity to learn more about engineering concepts in a real world environment. I also like the fact that I have the opportunity to make things that will come together in a large scale product.

Favorite Part of Warrior Racing
Being able to see how concepts learned in my classes pertain to real world engineering scenarios. Working as part of a team has also been rewarding, especially being able to learn from senior members on the team.

Recent Team Activity
I have been working with the engineering captain, Mo, on the manufacturing of the exhaust. In particular I have been manufacturing flanges for the muffler and headers, and assisting him in the welding of the headers.

$0.25
two pieces of candy
$0.50
a can of pop (Coke, Cherry Coke, Faygo, etc), a bag of Better Made chips, or a bottle of water
$1.00
Bottle of Arizona Iced Tea, one package of Poptarts, a pack of gum, a pack of Ramen, or a bowl of Mac & Cheese
Our new sponsor proto labs provided us with machining for our intake and throttle body butterfly axles.
To learn more about proto labs, visit their website at www.protolabs.com

Our new sponsor Better Made provided us with a substantial amount of potato chips.
To learn more about Better Made, visit their website at bettermadesnackfoods.com

Recent Sponsor Contributions

Design and Cost Reports

Ever wondered how much it would cost to build or buy a formula race car? The team is faced with this question every year. One of Warrior Racing’s requirements for competition is a detailed cost report. Our president, Kristina Vujic, has been hard at work to assemble RW-8’s cost report. This year our car will have a manufacturing cost of roughly $10,000 and a marketing price of at least $20,000. Last year at the Michigan competition we placed 13th in cost out of 120 teams. At our competitions this year we are planning to place in the top 10.

Usually before you purchase something you tend to look at all the details. That’s where the design report and presentation come into play. Along with the cost report, the team must submit a detailed design report describing all of the components of the car. In addition it needs to include improvements from previous iterations. Our Power-train Engineering Director Mohammed Kakli is assembling the report, and this year weight reduction is our primary focus. The drive-train system, exhaust, frame, and much more was designed to reduce the weight while maintaining strength and improving performance.
Our new sponsor EmbroidMe provided us with a discount on our team apparel.
To learn more about EmbroidMe, visit their website at embroidme-wyandotte.com/

Recent Sponsor Contributions

Our new sponsor Leading Edge water cut our brake rotors and uprights.
To learn more about Leading Edge, visit their website at www.leadingedgecut.com/index.html

Our new sponsor SKF provided us with additional bearings.
To learn more about SKF, visit their website at skf.com/group/index.html

Our new sponsor TeXtreme provided us with carbon fiber.
To learn more about TeXtreme, visit their website at www.oxeon.se/index.php
Without the generous contributions and support from our sponsors and supporters our team would not be the success it is today. We can’t thank them enough for joining the Warrior Racing family by supporting us with funding, machining, and materials.

Control Click the YouTube icon to view our 2013 sponsor thank you video!