

Team Monster



MØNSTER
ENERGY



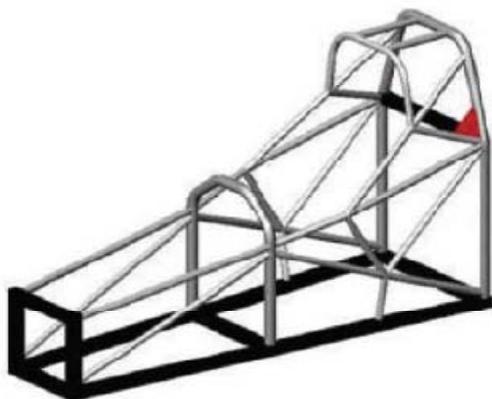
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In this picture: Corey Jonet, Tyler VanEss, Khue Lor, and Luis Alavez

For the first semester of the 2010-2011 school year we have been design and build a formula high school car. Formula high school is a program for high school students to design, build, and test the racecar. The car will be raced April 30- may 1 at road America. We are working with a group form a different hour to make an 8 person team. We had the cad drawing so we had a plan when the steel arrived so we could get started right away.



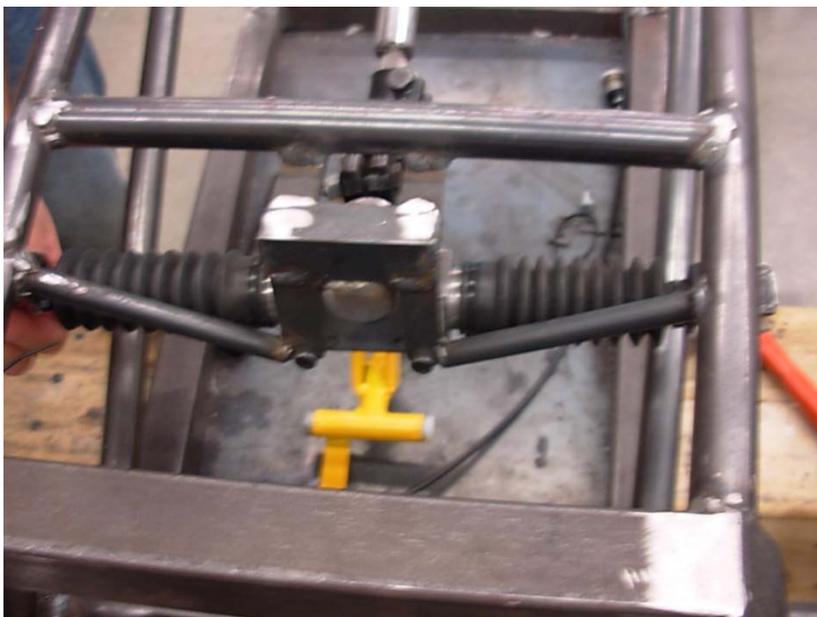
We started with a main cock pit for are formula one car. Every cock pit has to be the same for all high schools. Then for the axles and engine mount we design them ourselves. First we designed the frame in AutoCAD and then we designed the front axle and battery mount. Our team from sixth hour designed the engine mount and back axle. Then we started to layout and cut the tubing for the cockpit. We used 1.5" square tubing for the bottom of the frame and 1.5" round tubing for the two main roll bars. The rest of the braces and frame is made up of 1" round tubing. Then we started welding up our cock pit.





On January 15, 2011 we took are car to science expo in Shopko hall and had most of the motor ready to start but due to some little issued the motor would not start. Before all that we first had to come up with away to have the seat belt mounted and we the seat would have to go and also had to make a support for the front

axle so mounted the battery in the front by the axle by trying to make the nose cone fit around the battery and has clears. Then we made sure that the car was level before fully welding it then place the support for the seat and find a way to put the seat belt



Then we had to come up with away to have the rack and pinion mounted for are steering and support it so there is not that much pressure on the steering.

We Formula High School is sponsor by Monster energy. But what we did is that we use the old body of the car from last year and is reusing it and just working our way up. Why we are using the old body is so that we can save some money and it was still in a good shape to be reused and it will just cost more to make a new body. What they had last year was like a black paint job with a green purple shine to it. What we did to the body so far is that we had taken out all the old sponsors from last year. We toke out the old sponsor with using a heat gun and peeling them off. We also use the goo gone to remove the left over stickiness. What we did also was we drill holes on the bottom of the chassis so that the hole on the body matches up with the holes on the chassis. When we had that all drill out we then we put the screws on the body and the chassis. We then had to cut new holes so that our rod to our rack o pinion can go through. We also had to cut or expand a part so that our axle we go in and fit. We use the jig saw to cut open the holes. We did have monster energy sticker on the car for a day or two. We had them on because of the science expo. We were the first group to finish first so we toke our car to the science expo to show. When then toke off the monster energy sticker so that we can get ready for our paint job on the body. We are thinking about painting the body on our car to a black paint job with a green shine on it.



This is how the car was like when we had the monster energy sticker on when the sciences expo was here. We then later it toke them off of the body so now it is just back to being black again.