



# Team SGCC

## Team SGCC 8<sup>th</sup> Update February 8<sup>th</sup> - April 1<sup>st</sup>

February was a very productive month for us. As exciting as it was for us to get our car on rubber, we realized that we needed to maintain our focus and continue working hard. We drilled holes in the body shells and the chassis for mounting, and sanded down the shells for painting purposes. We mounted the break rotor and caliper onto the rear axle, and bled the breaks. We also realized that our tire had a faulty seal; this made us spend some extra time patching the tire.



The full rear axle assembly with the break rotor and caliper.

Towards the end of February and early March, we strengthened the car by adding support beams to places like the rear axle and chose the colors we wanted to paint our car. We also installed the seat and the seatbelts to their desired places. We then pulled the car apart piece by piece. When the car was completely pulled apart, we sent the chassis to Mr. Kerry DeGrave at DeGrave Media Blasting for sandblasting and painting.



Our chassis painted and assembled.

We are very happy with the results; Mr. DeGrave did a great job for us. We also sent in our body shells to NWTC for painting. In the mean time, we painted the exhaust ourselves here at Preble.

The past two weeks we have been working on reassembling the car, working on our sponsors' logo stickers, and have been working on our firewall. On Tuesday, March 30, we received our painted body shells from NWTC, the shells look great, but we realized that we didn't leave enough room for the shells to fit on with our firewall. This means we have some touch up jobs we need to do with the shells.

We're very close to finishing our car. In the upcoming week, we plan on finishing and installing the firewall. We also plan on being able to cut out our sponsors' logos and place them on the body.



Our pedal assembly



Our fuel cell, engine, and wiring hooked up and ready to go!