

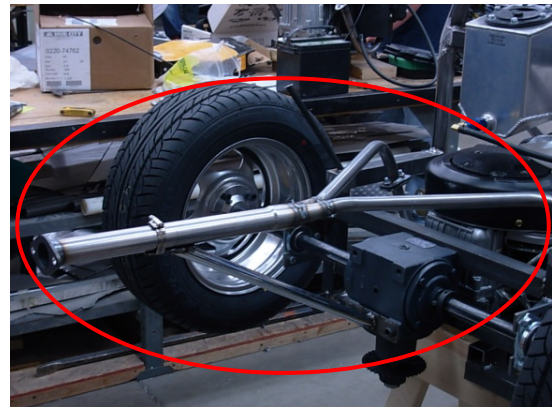


Team SGCC

Team SGCC 7th Update Monday January 18th — February 5th

On our first week of the new semester we realized how much of our car we still needed to finish and how little time we actually have. During that week we completed a fair amount of work. However, our brake pedal hasn't been pushing far enough into the master cylinder so we had to grind down our weld and try again. We managed to cut and drill two pieces of angle iron to the appropriate length which we bolted to the gear box and welded onto the back of the chassis. After this we welded our back axle in place along with a few pieces of flat bar as support. When finished we bent the exhaust pipes which allowed us to join them together as a single bigger exhaust pipe. We also had to bolt a pipe to the gear box which supported the tailpipe. At the end of the week we finished work with the back axle, put on the back wheels, and bolted them in place.

In the last week of January much work was finished. We finished fixing up the brake pedal which now is correctly placed and can be fully pressed into the master cylinder. We also finished wiring the engine and mounted it, with the joined exhaust pipe, onto the back of the chassis. We also welded the front axle to the chassis and got our car on rubber. On



This shows the set up of our back axel and exhaust pipes which are joining into a single larger exhaust pipe.

Friday with our engine wired correctly we successfully started the car, so far all is running smoothly and we plan to continue work on our car. With the car on all wheels our group plans to re-cut our front body shell next week to allow room for the new addition of the front axle.

We began this week by sketching out lines and cutting the body shell. After that part of our group started sanding down the all the body shells so a new coat of paint can be applied, while the other part worked more on the front axle. We are close to completing our car and plan, in the upcoming weeks to install the seat, safety belt, and firewall.



Jim working on the engine wiring.
2/3/10

The angle iron welded to the back of the chassis which is holding up the gear box and back axle.

