

Given the size of the automotive class at West De Pere, we have decided to split the class in two and build two separate cars. Both worked on the main sections of the frame at about the same rate, but once that was completed the teams went different paths.



The first hurdle Team 1 had to leap was that of assembling the front axle. This was a relatively simple project, seeing as how most of the components were re-used and reconfigured from a previous vehicle. Circular cuts were then made into the front of the frame by way of plasma cutter, allowing for both better welding area and more support of the vehicle. Once these cuts were made, the front axle was welded into place.



The next challenge Team 1 faced was to mount and align the steering system. About a dozen designs were thrown around, until finally it was decided to just use the simplest and most effective one. This was to weld a 4" tube onto the axle, then weld a bracket on the other end of the tube, and bolt the system into the bracket. This whole process took nearly an hour, most of which was spent measuring and centering.



As of this writing, Team 1 is planning on having the brake master cylinder mounted and finishing up the frame within a week.