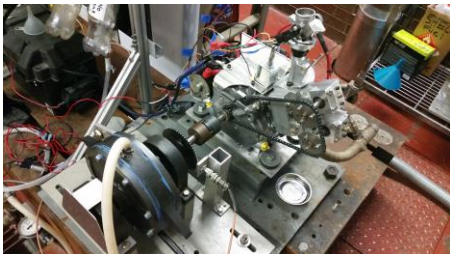


SOE TEAM CARBONAIR SUPERMILEAGE VEHICLE TEAM

February Issue

UPDATES

As we get closer towards competition day we would like to update our viewers on some of the progress that has been made in the 2016-2017 season. Here are some of our projects and how they are coming along.



Briggs and Stratton Junior 206cc Engine
Questions? Contact us

teamcarbonair1@gmail.com

<http://smv.msosae.org/>

Body Team

Our body team has been working to create a new the body for 2017. They have completed the pink foam molds and will be performing the carbon fiber lay-up process during March.



Steering and Braking Team

The steering and braking team has improved the alignment in the braking system for both vehicles. Additionally, they are now rebuilding the steering in the electric vehicle to remove steering play. They are also improving the wheel alignment in both vehicles to reduce the amount of friction and allow the wheels to spin more freely.

Engine Team

The engine team has been working to implement an intake flange adaptor design that allows the incorporation of a butterfly valve to help regulate the air into the engine. They are also changing the starter gearing to allow more torque to be applied on the crankshaft and thus requiring less current draw from the starter motor. The engine team also invested in a new fuel delivery system which includes new pumps and flow regulator valves donated by KNF.

Side Project

Not only is the vehicles being built, but we are also building an inertia dyno. The machining of inertia chassis dyno has been started by our sponsors, and designs are being finalized for mounting the components on a pre-existing infrastructure.

Sponsors

As we get closer to competition day, we are working even harder to make sure we have the best possible vehicle for competition. None of this would be possible without the help of our Sponsors, and we would like to thank the following individuals for their support and generosity throughout winter quarter. To find out more about our sponsors, please visit our team webpage where you will find information on all our sponsors.

Adrian Robillard



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